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Service Manual

ORDER NO. ARP3312

PLASMA DISPLAY SYSTEM

PDP-506XDE PDP-436XDE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-506XDE	_	AC220 - 240V	
PDP-436XDE	_	AC220 - 240V	

PDP-506XDE is combination of the following components.

Component		System	Service Manual	Remarks
Р	LASMA DISPLAY SYSTEM	PDP-506XDE	ARP3312	This manual.
	PLASMA DISPLAY	PDP-506PE/WYVI	ARP3267	
	MEDIA RECEIVER	PDP-R06XE/WYVIXK5	ARP3275, ARP3276	
	SPEAKER SYSTEM	PDP-S38/XIN/E5	RRV3221	

• PDP-436XDE is combination of the following components.

Component		System	Service Manual	Remarks
PI	ASMA DISPLAY SYSTEM	PDP-436XDE	ARP3312	This manual.
PLASMA DISPLAY		PDP-436PE/WYVI	ARP3271	
	MEDIA RECEIVER	PDP-R06XE/WYVIXK5	ARP3275, ARP3276	
	SPEAKER SYSTEM	PDP-S37/XTW/E5	RRV3231	

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Service Manual



ORDER NO. ARP3267

PLASMA DISPLAY

PDP-506PU PDP-506PU

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-506PE	WYVI	AC220 - 240V	
PDP-506PU	KUCXC	AC120V	

Note:

Media Receivers up to Generation 5 (G5) cannot be connected with this unit. Be sure to use a Media Receiver of Generation 6 (G6) (ex.: PDP-R06**, etc.).



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

■ Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis.

The following precautions should be observed:

- When service is required, even though the PDP UNIT an isolation transformer should be inserted between the power line and the set in safety before any service is performed.
- 2. When replacing a chassis in the set, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistor-capacitor, etc.
- 3. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
 - 4. Always use the manufacture's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
 - 5. Before returning a serviced set to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacture has become defective, or inadvertently defeated during servicing. Therefore, the following checks should be

performed for the continued protection of the customer and

- 6. Perform the following precautions against unwanted radiation and rise in internal temperature.
- Always return the internal wiring to the original styling.
- Attach parts (Gascket, Ferrite Core, Ground, Rear Cover, Shield Case etc.) surely after disassembly.
- 7. Perform the following precautions for the PDP panel.
- When the front case is removed, make sure nothing hits the panel face, panel corner, and panel edge (so that the glass does not break).
- Make sure that the panel vent does not break. (Check that the cover is attached.)
- Handle the FPC connected to the panel carefully.

 Twisting or pulling the FPC when connecting it to the connector will cause it to peel off from the panel.
- 8. Pay attention to the following.
- Pay extreme caution when the front case and rear panel are removed because this may cause a high risk of disturbance to TVs and radios in the surrounding.

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servicetechnician.

PDP-506PE

Leakage Current Cold Check

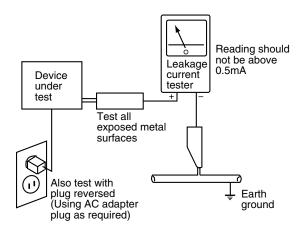
With the AC plug removed from an AC power source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC 500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (input/output terminals, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of $0.3 M\Omega$ and a maximum resistor reading of $5 M\Omega$. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into an AC power source (do not use an isolation transformer for this check).

Turn the AC power switch on.

Using a "Leakage Current Tester (Simpson Model 229 equivalent)", measure for current from all exposed metal parts of the cabinet (input/output terminals, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE SET TO THE CUSTOMER.

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PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in PIONEER set have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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■ Charged Section

The places where the commercial AC power is used without passing through the power supply transformer.

If the places are touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. Therefore, be sure to connect the set via an insulated transformer and supply the current.

B 1. Power Cord

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- 2. AC Inlet
- 3. Power Switch (S1)
- 4. Fuse (In the POWER SUPPLY Unit)
- 5. STB Transformer and Converter Transformer (In the POWER SUPPLY Unit)
- 6. Other primary side of the POWER SUPPLY Unit

■ High Voltage Generating Point

The places where voltage is 100V or more except for the charged places described above. If the places are touched, there is a risk of electric shock.

If the procedures described in "7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM" are performed before the power is turned off, the voltage will be discharged in about 30 seconds.

1. POWER SUPPLY Unit	(205V)
2. 50 X DRIVE Assy	(-180V to 205V)
3. 50 Y DRIVE Assy	(500V)
4. 50 SCAN A Assy	(500V)
5. 50 SCAN B Assy	(500V)
6. SUS CLAMP 1 Assy	(-180V to 205V)
7. SUS CLAMP 2 Assy	(-180V to 205V)

: Part is Charged Section.

 Part is the High Voltage Generating Points other than the Charged Section.

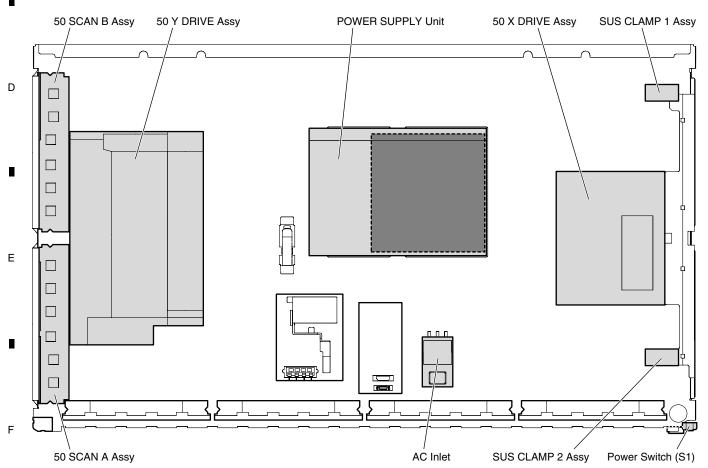


Fig.1 Charged Section and High Voltage Generating Point (Rear View)

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1) Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

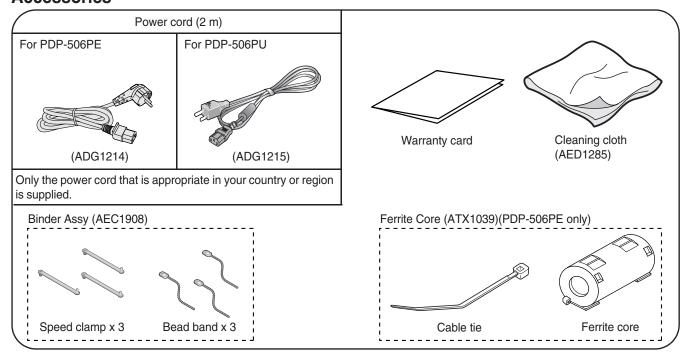
Item	50" Plasma Display, Model: PDP-506PE	50" Plasma Display, Model: PDP-506PU	
Number of Pixels	1280 × 768 pixels	1280 × 768 pixels	
Audio Amplifier	13 W + 13 W (1 kHz, 10 %, 8Ω)	13 W + 13 W (1 kHz, 10 %, 8Ω)	
Surround System	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass	
Power Requirement	220 - 240 V AC, 50/60 Hz, 344 W (0.4 W Standby)	120 V AC, 60 Hz, 355 W (0.2 W Standby)	
Dimensions	1224 (W) × 717 (H) × 92 (D) mm	1224 (W) × 717 (H) × 92 (D) mm (48 3/16 (W) × 28 1/4 (H) × 3 5/8 (D) inches)	
Weight	31.8 kg (70.1 lbs.)	31.8 kg (70.1 lbs.)	

• Design and specifications are subject to change without notice.

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Accessories



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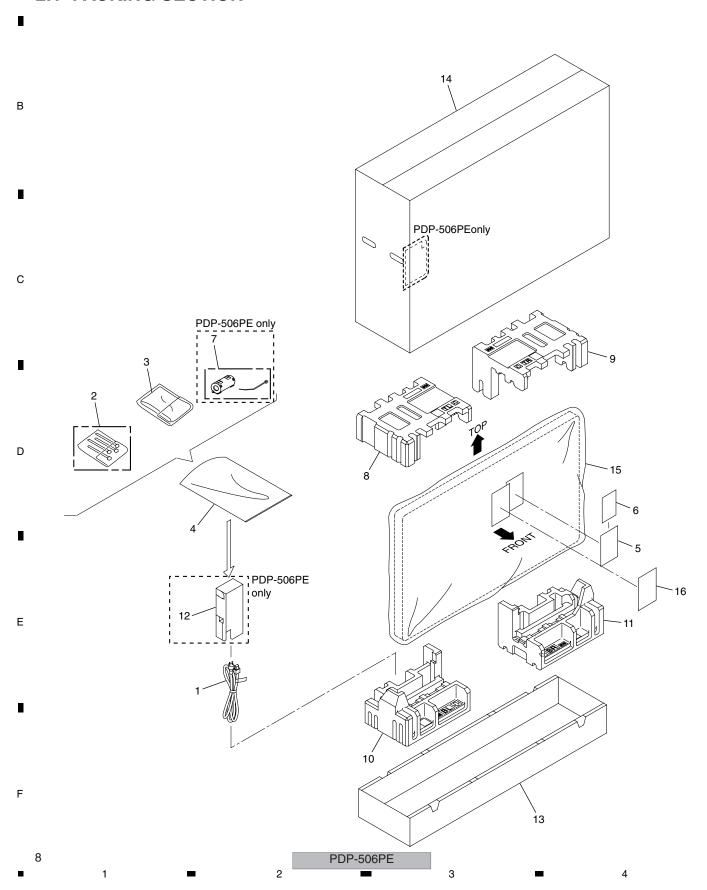
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

Α



(1) PACKING SECTION PARTS LIST

Mark	<u>No.</u>	<u>Description</u>	Part No.
<u> </u>	1	Power Cord	See Contrast table (2)
	2	Binder Assy	AEC1908
	3	Cleaning Cloth	AED1285
	4	Polyethylene Bag S	See Contrast table (2)
NSP	5	Catalogue Bag	See Contrast table (2)
NSP	6	Warranty card	See Contrast table (2)
₫.	7	Ferrite Core	See Contrast table (2)
	8	Pad (50T-L)	See Contrast table (2)
	9	Pad (50T-R)	See Contrast table (2)
	10	Pad (50B-L)	See Contrast table (2)
	11	Pad (50B-R)	See Contrast table (2)
	12	Power Cord Case	See Contrast table (2)
	13	Under Carton	See Contrast table (2)
	14	Upper Carton	See Contrast table (2)
	15	Mirror Mat	See Contrast table (2)
	16	Caution Card	See Contrast table (2)

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
<u> </u>	1	Power Cord	ADG1214	ADG1215
	4	Polyethylene Bag S	AHG1338	AHG1348
NSP	5	Catalogue Bag	AHG1340	AHG1347
NSP	6	Warranty Card	ARY1114	ARY1145
<u> </u>	7	Ferrite Core	ATX1039	Not used
	8	Pad (50T-L)	AHA2427	AHA2459
	9	Pad (50T-R)	AHA2428	AHA2460
	10	Pad (50B-L)	AHA2429	AHA2461
	11	Pad (50B-R)	AHA2430	AHA2462
	12	Power Cord Case	AHC1073	Not used
	13	Under Carton (50)	AHD3344	Not used
	13	Under Carton (506PU)	Not used	AHD3379
	14	Upper Carton (506PE)	AHD3345	Not used
	14	Upper Carton (506PU)	Not used	AHD3383
	15	Mirror Mat	AHG1284	AHG1352
	16	Caution Card	ARM1232	ARM1239

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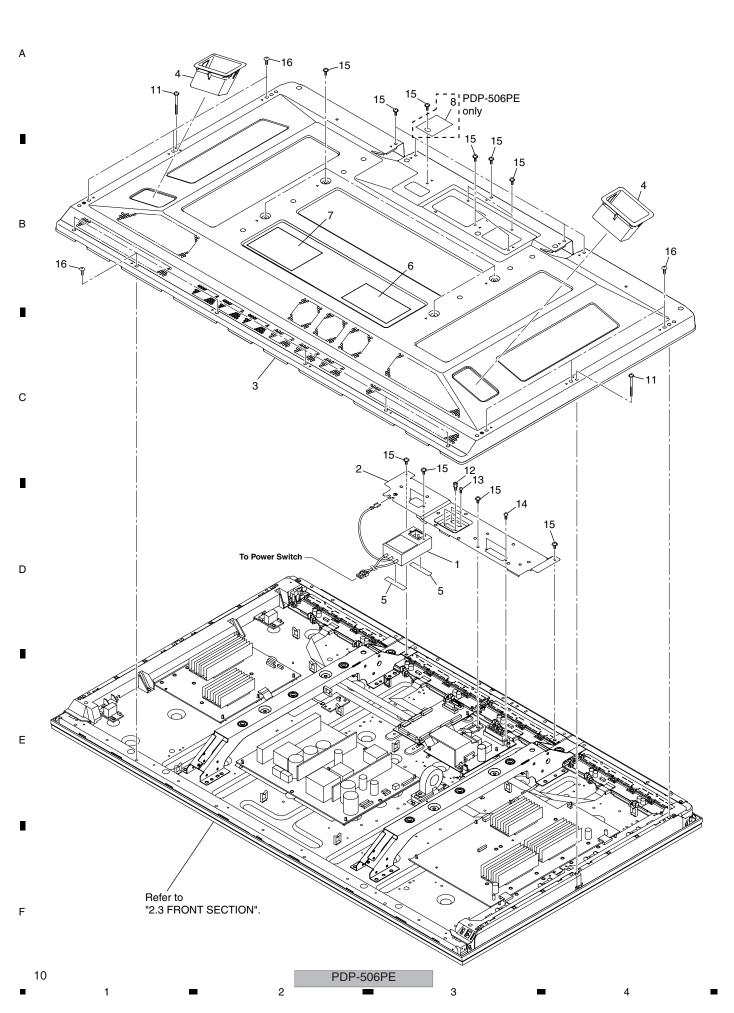
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(1) REAR SECTION PARTS LIST

Mark N	lo.	<u>Description</u>	Part No.	
<u> </u>	1	AC Inlet	AKP1274	
	2	Control Plate	AND1185	Α
	3	Rear Case (506)	ANE1639	
	4	Inner Grip Assy	AMR3434	
	5	AC Cushion	AEC2035	
NSP	6	Model Label	See Contrast table (2)	
	7	Caution Label	See Contrast table (2)	
	8	AC Label PE	See Contrast table (2)	
	9	••••		
1	10	••••		
1	11	Screw (3 x 40P)	ABA1332	В
1	12	Hexagon Head Screw	BBA1051	
1	13	Screw	PMZ26P060FTB	
1	14	Screw	BPZ30P080FTB	
1	15	Screw	AMZ30P060FTB	
1	16	Screw	TBZ40P080FTB	

(2) CONTRAST TABLE
PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
NSP	6	Model Label (506PE)	AAL2661	Not used
NSP	6	Model Label (506PU)	Not used	AAL2679
	7	Caution Label	AAX3117	AAX3075
	8	AC Label PE	AAX3194	Not used

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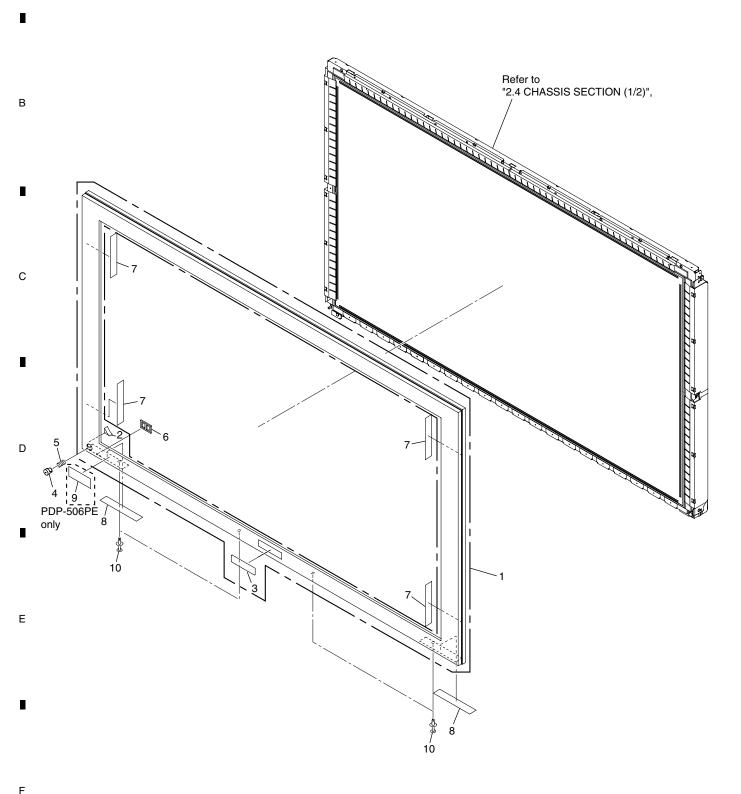
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PDP-506PE

(1) FRONT SECTION PARTS LIST

Mark N	o. <u>Description</u>	Part No.	
	Front Case Assy (506PE)	AMB2861	
	2 Corner Cushion	AEB1416	
	Pioneer Name Plate	AAM1098	
	Power Button	AAD4133	
	5 Coil Spring	ABH1120	
	Blind Cushion	AEB1415	
	7 Insulation Sheet A	AED1283	
	Insulation Sheet B	AED1284	
	Power Display Label (506)	See Contrast table (2)	
-	0 Screw Rivet	AEC1877	

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
	9	Power Display Label (506)	AAX3217	Not used

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Mark	No.	Description	Part No.			
	1	HD LED Assy	AWW1029			
	2	HD IR Assy	AWW1030			
<u> </u>	3	Power Switch (S1)	ASG1092			
	4	Housing Wire (50)(J103)	ADX3112			
	5	Front Chassis VL (50)	AMA1014			
	6	Front Chassis VR (50)	AMA1015			
	7	Sub Frame L Assy (506)	ANA1860			
	8	Sub Frame R Assy (506)	ANA1861			
	9	Front Chassis H Assy (50)	ANA1883			
	10	Panel Holder H (50)	ANG2769			
	11	Panel Holder V1 (50)	ANG2770			
	12	Panel Holder V2 (50)	ANG2771			
	13	Cushion	AEB1424			
	14	Wire Saddle	AEC1745			
	15	••••				
	16	Nyron Rivet	AEC1671			
	17	Screw	ABZ30P080FTC			
	18	Screw	AMZ30P060FTB			
	19	Screw	APZ30P080FTB			
	20	Screw	BBZ30P060FTC			
	21	Screw	BPZ30P080FTB			
	22	Screw	TBZ40P080FTB			
	23	Screw	VBB30P080FNI			

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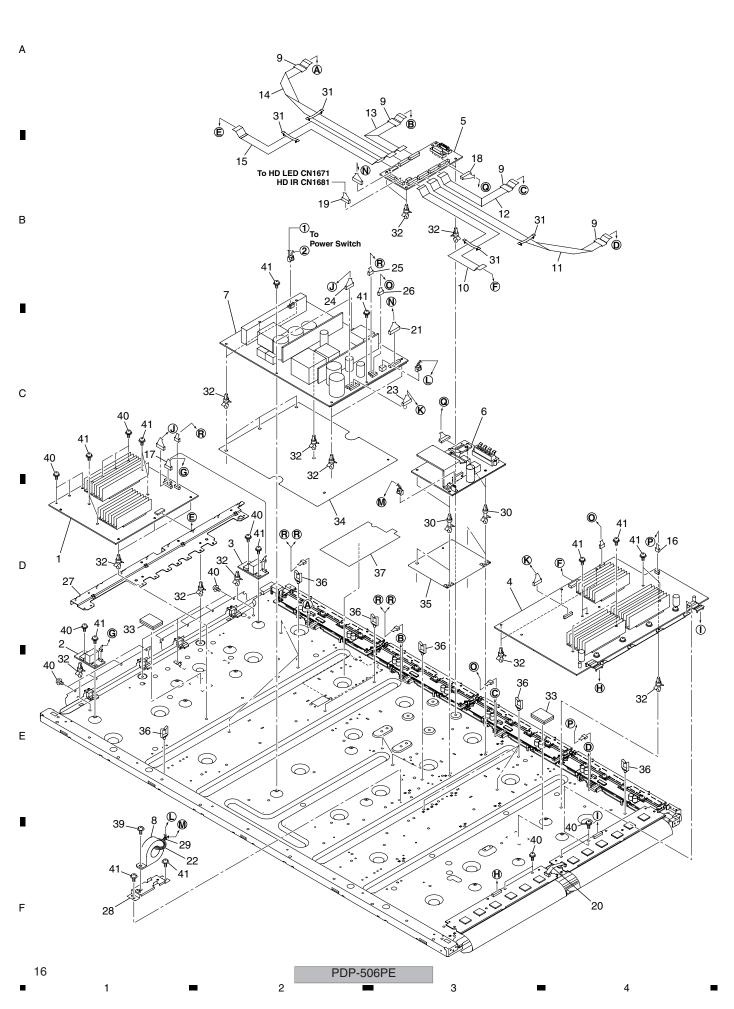
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(1) CHASSIS SECTION (2/2) PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	50 X DRIVE Assy	See Contrast table (2)	21	14P Housing Wire (J104)	ADX3158	
2	SUS CLAMP 1 Assy	AWW1022	22	3P Housing Wire (J105)	ADX3159	Α
3	SUS CLAMP 2 Assy	AWW1023	23	9P Housing Wire (J101)	ADX3186	
4	50 Y DRIVE Assy	See Contrast table (2)	24	8P Housing Wire (J102)	ADX3187	
5	HD DIGITAL Assy	AWW1028	25	5P Housing Wire (J106)	ADX3188	
6	HD AUDIO Assy	AWV2203	26	6P Housing Wire (J107)	ADX3189	_
<u> </u>	POWER SUPPLY Unit	AXY1112	27	Conductive Plate XA	ANG2776	
8	Ring Core with Case	ATX1042	28	FC Stay	ANG2815	
9	Ferrite Core	ATX1048	29	Binder	AEC-093	
10	Flexible Cable (J201)	ADD1293	NSP 30	PCB Spacer	AEC1188	
11	Flexible Cable (J202)	ADD1294	31	Flat Clamp	AEC1879	В
12	Flexible Cable (J203)	ADD1295	32	PCB Spacer	AEC1941	
13	Flexible Cable (J204)	ADD1296	33	Drive Silicone Sheet	AEH1095	
14	Flexible Cable (J205)	ADD1297	34	Power Supply Insulation Sheet	AMR3447	
15	Flexible Cable (J206)	ADD1298	35	Audio Insulation Sheet	AMR3469	
16	4P Housing Wire (J108)	ADX3117	36	Wire Saddle	AEC1745	
17	6P Housing Wire (J109)	See Contrast table (2)	NSP 37	Address Sheet	AMR3491	
18	12P Housing Wire (J110)	See Contrast table (2)	38	••••		
19	6P Housing Wire (J111)	ADX3120	39	Screw	ABA1324	
20	3P Housing Wire (J113)	See Contrast table (2)	40	Screw	PMB30P060FTC	С
			41	Screw	VBB30P080FNI	•

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

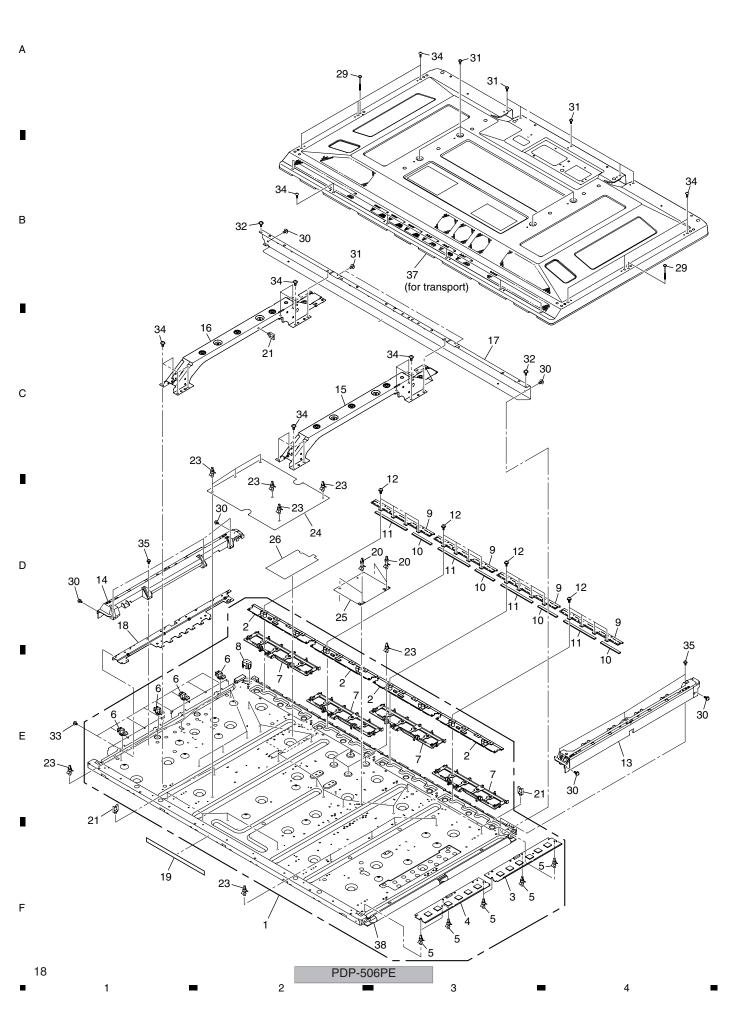
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Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC	D
	1	50 X DRIVE Assy	AWW1075	AWW1020 or AWW1075	
	4	50 Y DRIVE Assy	AWV2258	AWV2210 or AWV2258	
	17	6P Housing Wire (J109)	ADX3118	ADX3132	
	18	12P Housing Wire (J110)	ADX3119	ADX3133	
	20	3P Housing Wire (J113)	ADX3122	ADX3136	

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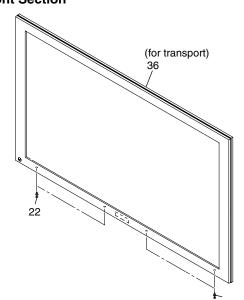
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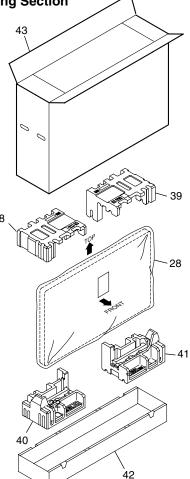
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• Front Section



Packing Section



Note when replacing with the PDP Service Assy 506P

The Power Switch (S1), HD LED Assy, and HD IR Assy are not included in the PDP Service Assy 506P. Before replacement with the PDP Service Assy 506P, the following components of the Service Assy must be temporarily detached to attach the above-mentioned parts (parts from the original unit or newly purchased):

- Front Chassis H Assy (50) (ANA1883)
- Front Chassis VL (50) (AMA1014)
- Front Chassis VR (50) (AMA1015)

PDP SERVICE ASSY 506P (AWU1134) PARTS LIST

PDP SER	RVICE ASSY 506P (AWU	1134) PARTS	LIST		
Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.
NSP 1	Panel Chassis (506) Assy	AWU1143	23	PCB Spacer	AEC1941
NSP 2	50 ADDRESS Assy	AWV2208	24	Power Supply Insulation Sheet	AMR3447
NSP 3	50 SCAN A Assy	AWW1026	25	Audio Insulation Sheet	AMR3469
NSP 4	50 SCAN B Assy	AWW1027			
5	PCB Spacer	AEC1944	NSP 26	Address Sheet	AMR3491
			NSP 27	Chassis Assy (50)	ANA1830
6	Conductive Plate Holder	AMR3446	28	Protect Sheet	AHG1331
7	ADDRESS Holder Assy (50)	AMR3454	29	Screw (3 x 40P)	ABA1332
8	Tube Cover	AMR3445	30	Screw	ABZ30P080FTC
9	Address Heatsink (50)	ANH1635			
10	Address Silicone A	AEH1093	31	Screw	AMZ30P060FTB
			32	Screw	APZ30P080FTB
11	Address Silicone B	AEH1094	33	Screw	PMB30P060FTC
12	Screw	BBB30P120FNI	34	Screw	TBZ40P080FTB
13	Front Chassis VL (50)	AMA1014	35	Screw	VBB30P080FNI
14	Front Chassis VR (50)	AMA1015			
15	Sub Frame L Assy (506)	ANA1860	NSP 36	Front Case Assy (506 serivice)	AMB2889
				(for transport)	
16	Sub Frame R Assy (506)	ANA1861	NSP 37	Rear Case (506)	ANE1639
17	Front Chassis H Assy (50)	ANA1883		(for transport)	
18	Conductive Plate XA	ANG2776	38	Pad (50T-L)	AHA2427
19	Cushion	AEB1424	39	Pad (50T-R)	AHA2428
NSP 20	PCB Spacer	AEC1188	40	Pad (50B-L)	AHA2429
21	Wire Saddle	AEC1745	41	Pad (50B-R)	AHA2430
22	Screw Rivet	AEC1877	42	Under Carton	AHA3344
			43	Upper Carton (506 S.V.C)	AHA3430

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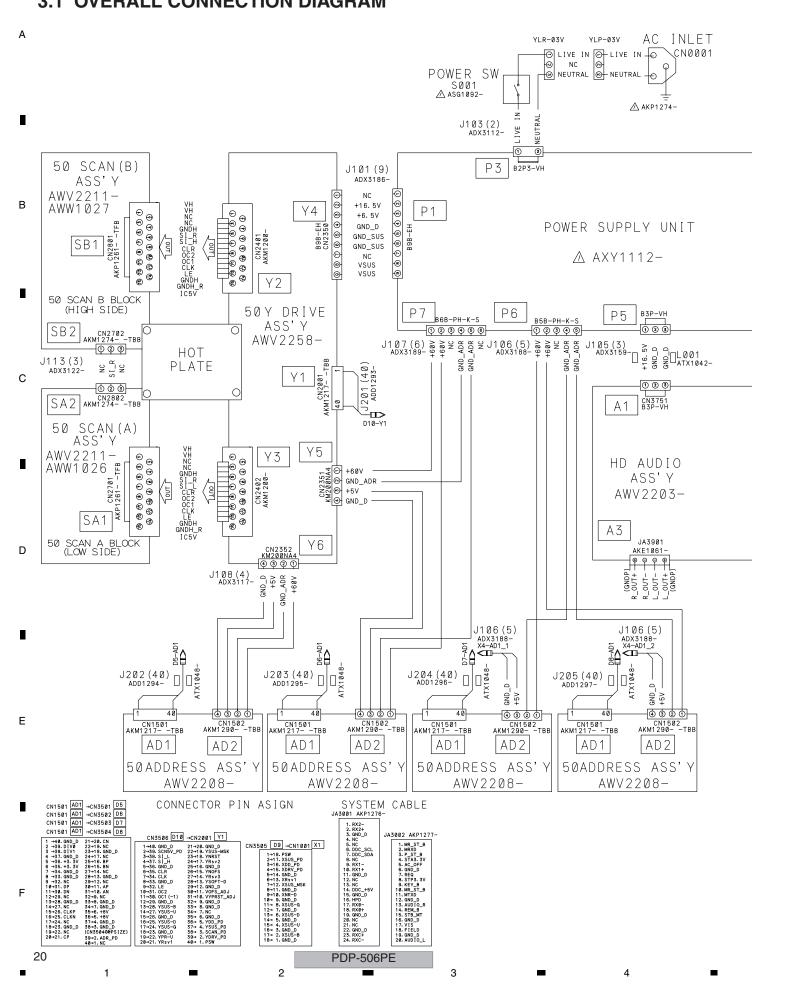
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PDP-506PE

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM 3.1 OVERALL CONNECTION DIAGRAM

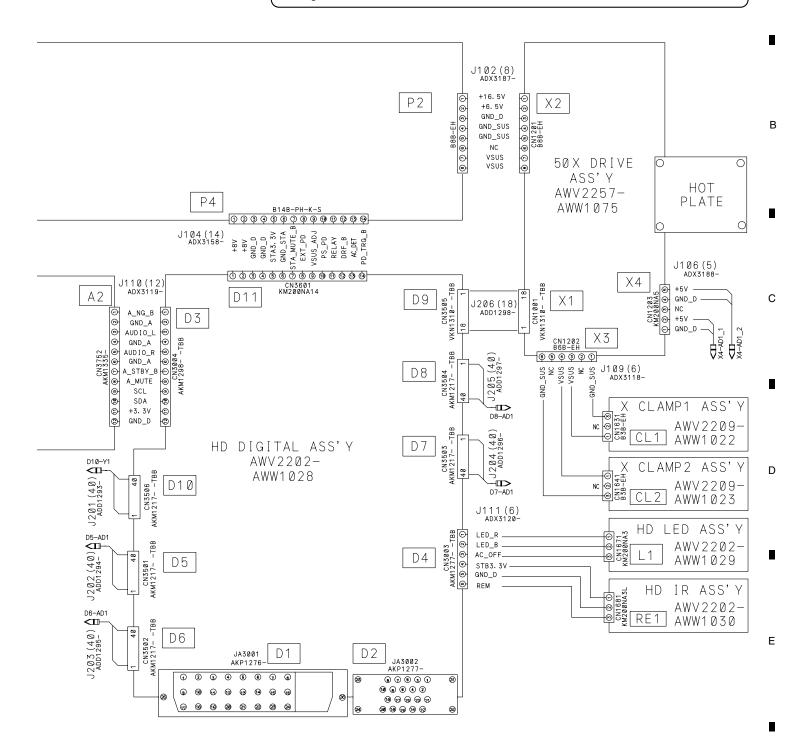


 When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".

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• The <u>Mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.</u>



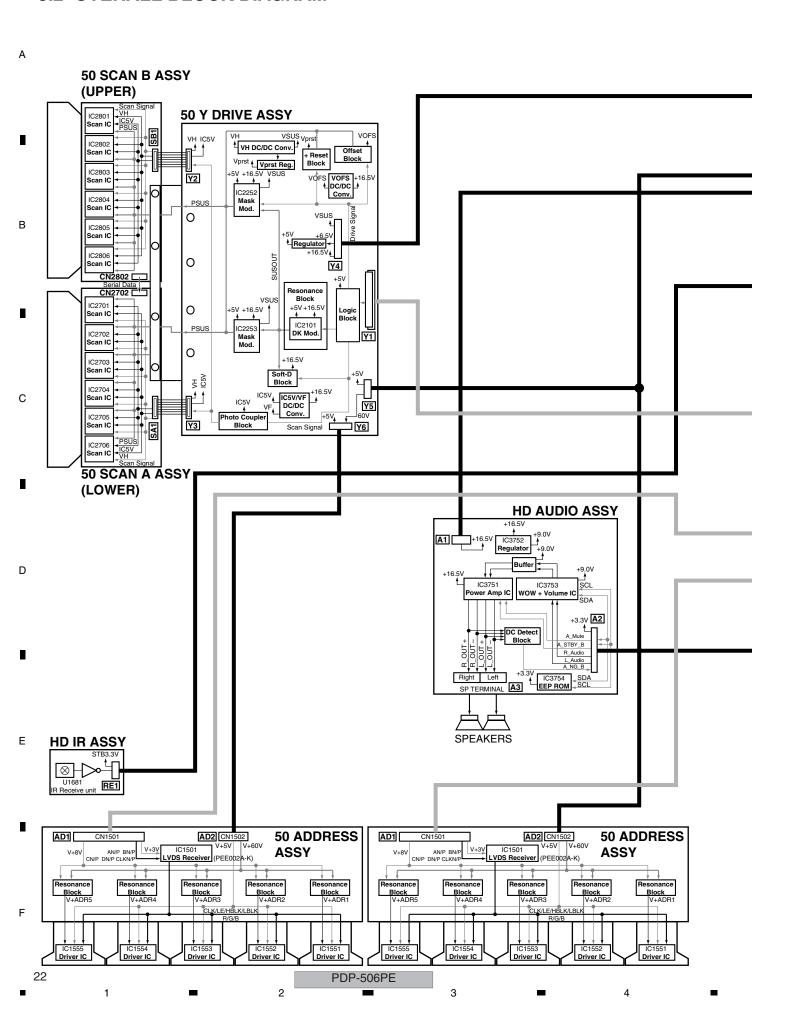
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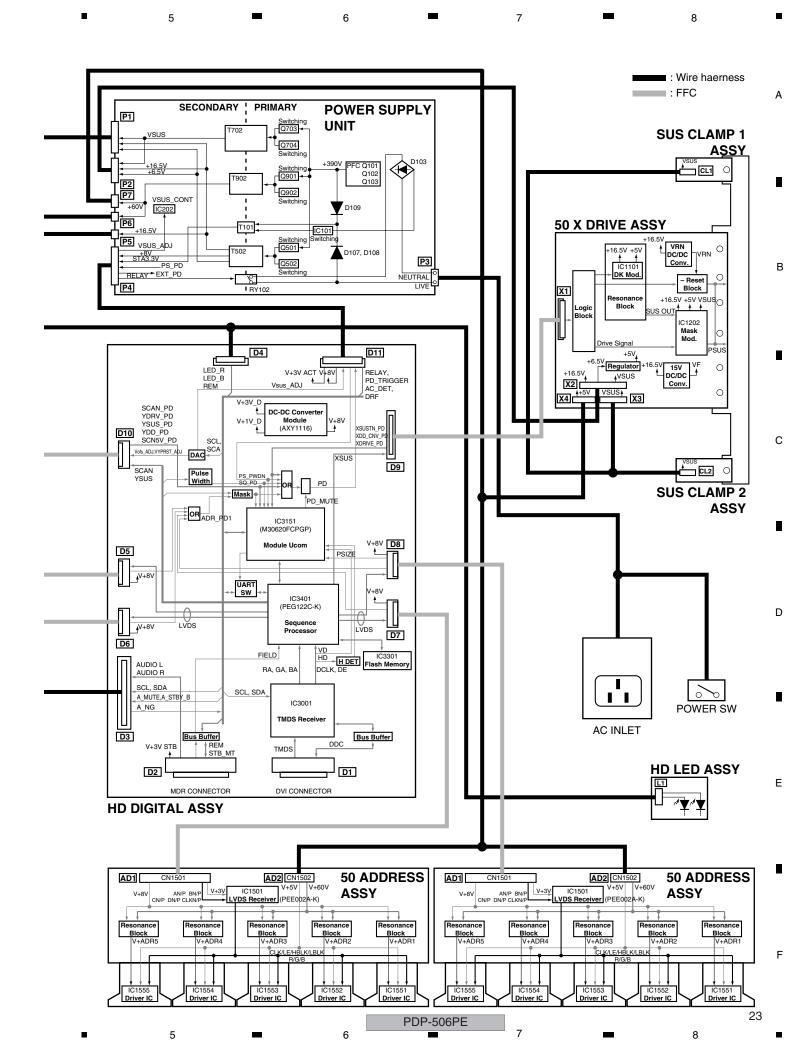
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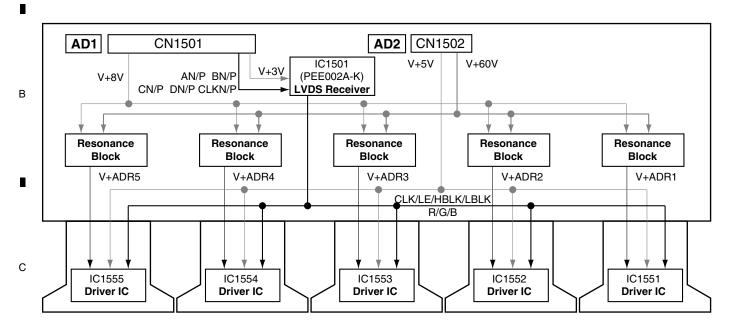
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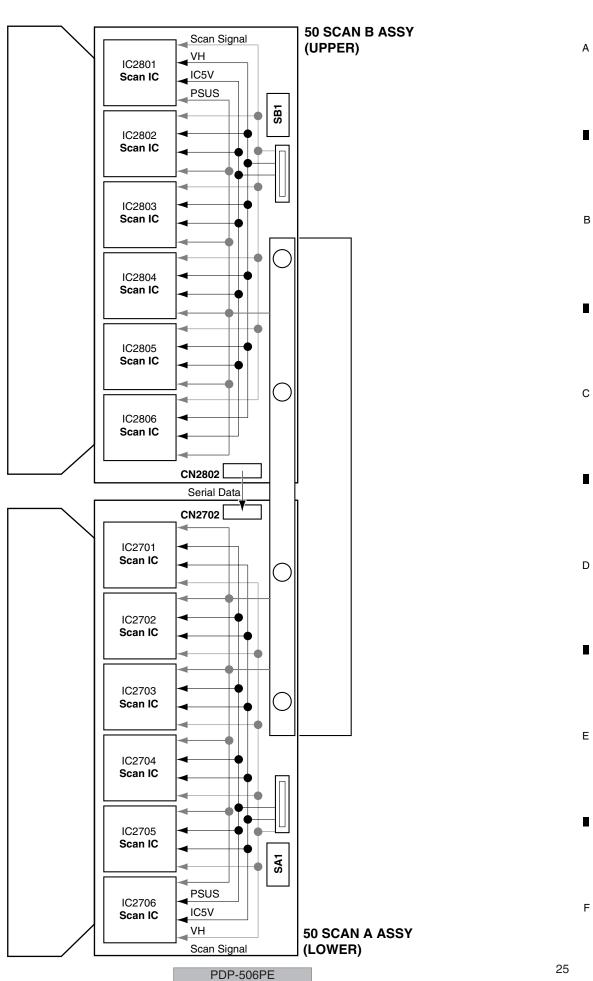
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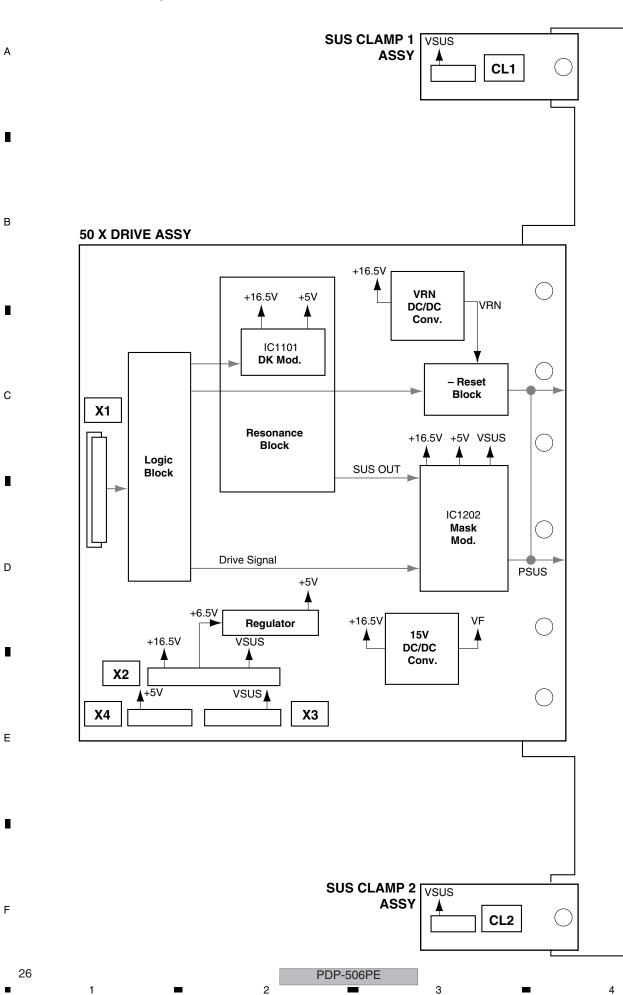
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3.4 50 SCAN A and B ASSYS



3.5 50 X DRIVE, SUS CLAMP 1 and SUS CLAMP 2 ASSYS



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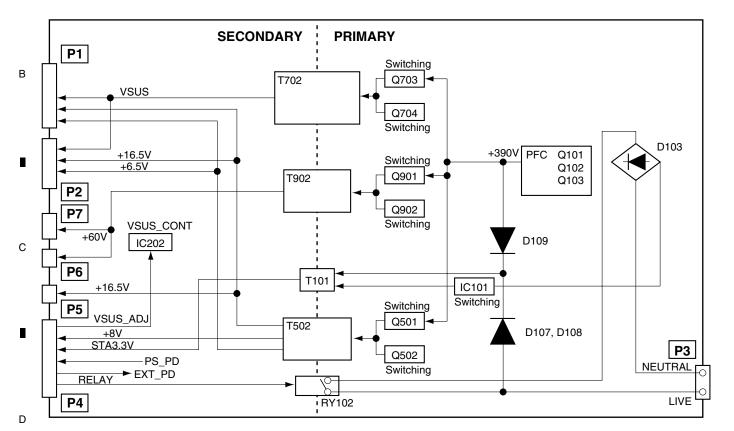
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SPEAKERS



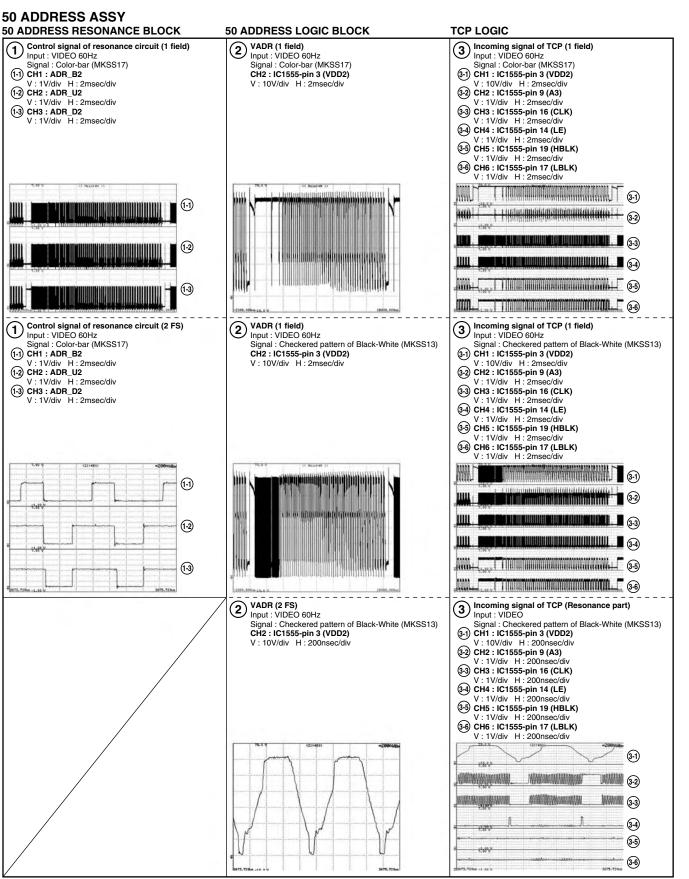
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Note: The encircled numbers denote measuring point in the schematic diagram. Refer to service manual (ARP3268).



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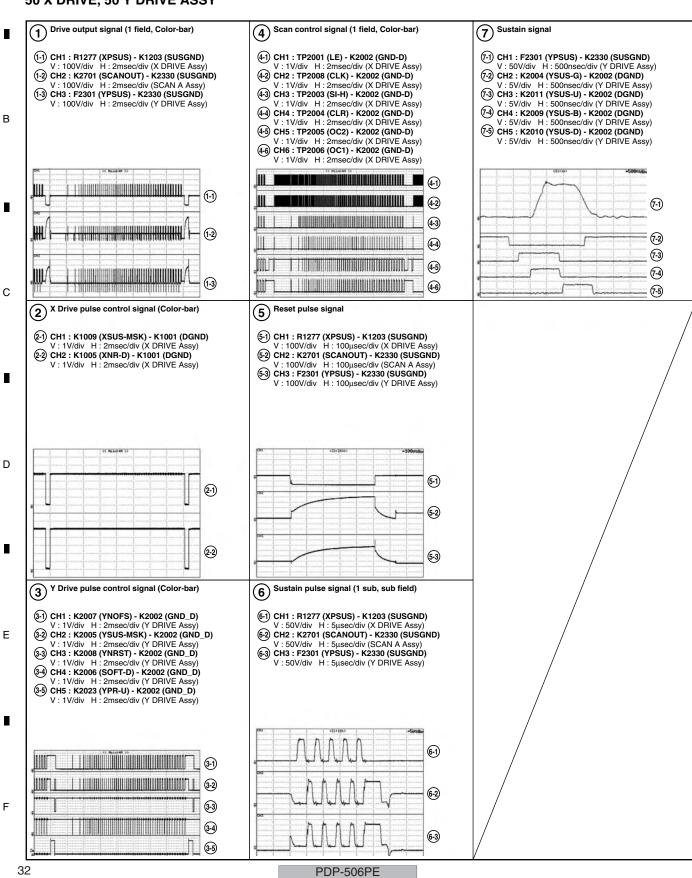
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50 X DRIVE, 50 Y DRIVE ASSY



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5. PCB PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

 Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{-1} \rightarrow 5621 \dots RN1/4PC[5][6][2][1]F$

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	PDP-506PE /WYVI	PDP-506PU /KUCXC
NSP	1PANEL CHASSIS (506) ASSY	AWU1143	AWU1143
NSP	250 ADDRESS ASSY	AWV2208	AWV2208
NSP	250 SCAN ASSY	AWV2211	AWV2211
NSP	350 SCAN A ASSY	AWW1026	AWW1026
NSP	350 SCAN B ASSY	AWW1027	AWW1027
NSP	150 X DRIVE ASSY	AWV2257	AWV2209 or AWV2257
	250 X DRIVE ASSY	AWW1075	AWW1020 or AWW1075
	2SUS CLAMP 1 ASSY	AWW1022	AWW1022
	2SUS CLAMP 2 ASSY	AWW1023	AWW1023
	150 Y DRIVE ASSY	AWV2258	AWV2210 or AWV2258
NSP	1HD DIGITAL ASSY	AWV2202	AWV2202
	2HD DIGITAL ASSY	AWW1028	AWW1028
	2HD LED ASSY	AWW1029	AWW1029
	2HD IR ASSY	AWW1030	AWW1030
	1HD AUDIO ASSY	AWV2203	AWV2203
<u> </u>	1POWER SUPPLY UNIT	AXY1112	AXY1112

50 X DRIVE ASSY

AWW1075 and AWW1020 are constructed the same except for the following:

Mark	Symbol and Description	AWW1075	AWW1020
	IC1101	AXF1142	AXF1155
	C1101	ACG1112 (0.22U/250V)	ACG1088 (0.1U/250V)
	C1106-C1110	Not used	ACE1178
	C1112, C1113 (0.22U/250V)	ACG1112	Not used
	C1161-C1164, C1166	ACE1168	Not used
	C1297, C1298 (3300p/630V)	ACG1129	Not used

50 Y DRIVE ASSY

AWV2258 and AWV2210 are constructed the same except for the following:

Mark	Symbol and Description	AWV2258	AWV2210
	IC2101	AXF1142	AXF1155
	C2103	ACG1112 (0.22U/250V)	ACG1088 (0.1U/250V)
	C2107, C2108 (0.22U/250V)	ACG1112	Not used
	C2131-C2134, C2136	ACE1168	ACE1178
	C2271	ACG1124 (0.1U/100V)	ACG1118 (0.33U/100V)
	C2272 (0.1U/100V)	ACG1124	Not used

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1 2 3 3 E PCB PARTS LIST FOR PDP-506PE/WYVI UNLESS OTHER WISE NOTED

	PCB PARTS LIST FOR P	DP-300PE/WYVI	UNLESS OTHER WISE NOTED	
	Mark No. Description	Part No.	Mark No. Description	Part No.
	50 ADDRESS ASSY		<u>CAPACITORS</u>	
Α	[50 ADR LOGIC BLOCK]		C2701,C2711,C2721 (0.1U/250V)	ACG1088
			C2731,C2741,C2751 (0.1U/250V)	ACG1088
	<u>SEMICONDUCTORS</u>		C2710,C2720,C2730,C2740,C2750	CCSRCH181J50
	IC1501	PEE002A	C2760	CCSRCH181J50
			C2708,C2709,C2718,C2719	CCSRCH331J50
	COILS AND FILTERS			
	L1504 CHIP SOLID INDUCTOR	QTL1013	C2728,C2729,C2738,C2739	CCSRCH331J50
-			C2748,C2749,C2758,C2759	CCSRCH331J50
	<u>CAPACITORS</u>		C2705-C2707,C2715-C2717	CCSRCH390J50
	C1501,C1502	CKSRYB105K6R3	C2725-C2727,C2735-C2737	CCSRCH390J50
	C1509,C1510	CKSSYB102K50	C2745-C2747,C2755-C2757	CCSRCH390J50
	C1503-C1507,C1551-C1555	CKSSYF104Z16	00700 00740 00700 00700 00740	OLODA DA OFICODO
_			C2703,C2713,C2723,C2733,C2743	CKSRYB105K6R3
В	<u>RESISTORS</u>		C2753	CKSRYB105K6R3
	R1530,R1531	RS1/16S0R0J	DECICTORS	
	R1505-R1509	RS1/16SS1000F	RESISTORS	
	Other Resistors	RS1/16SS###J	R2705,R2710,R2713,R2716,R2719	RAB4C221J
			R2722	RAB4C221J
	<u>OTHERS</u>		Other Resistors	RS1/16S###J
	CN1501 40P CONNECTOR	AKM1217	OTHERO	
	CN1502 PH CONNECTOR 4P	AKM1290	<u>OTHERS</u>	
			CN2702 PH CONNECTOR 3P	AKM1274
			CN2701 13P BRIDGE CONNECTOR	AKP1261
	[50 ADR RESONANCE BLOCK]			
	<u>SEMICONDUCTORS</u>			
С	IC1601,IC1602	TND307TD	50 SCAN B ASSY	
	Q1613	2SA1163		
	Q1614-Q1616	HAT1110R	<u>SEMICONDUCTORS</u>	
	Q1606,Q1608,Q1611	QSZ2	IC2801-IC2806	AN16025A
	Q1612	RN1901	IC2807	TC7SH08FUS1
			D2801-D2807	1SS355
	Q1601-Q1605	SP8M41		
_	D1612	1SS302	<u>CAPACITORS</u>	
	D1625-D1629	1SS355	C2801,C2811,C2821 (0.1U/250V)	ACG1088
	D1631-D1650	EP05FA20	C2831,C2841,C2851 (0.1U/250V)	ACG1088
	D1601,D1605,D1607,D1610,D1613	UDZS15(B)	C2810,C2820,C2830,C2840,C2850	CCSRCH181J50
	D1616,D1620,D1622	UDZS15(B)	C2860	CCSRCH181J50
D	D 1010,D1020,D1022	OD2013(D)	C2808,C2809,C2818,C2819	CCSRCH331J50
_	COILS AND FILTERS		C2828,C2829,C2838,C2839	CCSRCH331J50
	L1601-L1605 SMD COIL	ATH1163	C2848,C2849,C2858,C2859	CCSRCH331J50
	E1001-E1003 GIVID GOIL	AITTIOO	C2805-C2807,C2815-C2817	CCSRCH390J50
	CAPACITORS		C2825-C2827,C2835-C2837	CCSRCH390J50
	C1609 (0.1U/100V)	ACG1098	C2845-C2847,C2855-C2857	CCSRCH390J50
	C1601,C1606,C1610 (0.068U/100V)	ACG1123		
_	C1611,C1614 (0.068U/100V)	ACG1123	C2803,C2813,C2823,C2833,C2843	CKSRYB105K6R3
	C1602-C1605 (56UF/80V)	ACH1405	C2853,C2861	CKSRYB105K6R3
	C1613	CKSRYB104K25		
			<u>RESISTORS</u>	
	C1619	CKSYB105K16	R2803,R2808,R2811,R2814,R2817	RAB4C221J
Е			R2820	RAB4C221J
_	<u>RESISTORS</u>		Other Resistors	RS1/16S###J
	R1606,R1611,R1613,R1621	RS1/16SS###J		
	Other Resistors	RS1/16S###J	<u>OTHERS</u>	
			CN2802 PH CONNECTOR 3P	AKM1274
			CN2801 13P BRIDGE CONNECTOR	AKP1261
	EO SCAN A ACCY			
	50 SCAN A ASSY			
	<u>SEMICONDUCTORS</u>		50 X DRIVE ASSY	
	IC2701-IC2706	AN16025A		
	D2701-D2707	1SS355	[50X LOGIC BLOCK]	
			<u>SEMICONDUCTORS</u>	
F			IC1001	TC74ACT541FT
			IC1002	TC74VHC00FTS1

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PDP-506PE

CAPACITORS C1003 C1001,C1002	Part No. CEHAT470M16	Mark No. Description CAPACITORS	Part No.	
C1003	CEHAT470M16			
	CEHAT470M16	0.0		
C1001,C1002		C1214-C1217	ACE1178	
	CKSRYB104K16	C1212,C1213	ACH1423	
SECIOTORO		C1231	CEHAT101M10	F
RESISTORS	DAD 40 470 I	C1206 C1283	CEHAT101M25 CEHAT2R2M2E	
R1001,R1003 R1008,R1009	RAB4C470J RAB4C472J	01200	OLITATZITZIVIZE	
Other Resistors	RS1/16S###J	C1208	CEHAT470M16	
Other resistors	1101/100###0	C1222,C1272	CEHAT470M25	
OTHERS		C1221	CKSRYB105K6R3	
CN1001 18P FFC CONNECTOR	VKN1310	C1204,C1207,C1223,C1251,C1253	CKSRYF104Z50	-
		C1273	CKSRYF104Z50	
EOV DESCNANCE DI OCKI		C1220	CKSYB105K25	
50X RESONANCE BLOCK] SEMICONDUCTORS				
	AVE1140	<u>RESISTORS</u>		ı
IC1101 IC1141	AXF1142 BA10393F	R1204	ACN1166	
Q1141	2SC4116	R1213	ACN1168	
D1101-D1105	D1FL40	R1276,R1277	RS3LMF470J	
		Other Resistors	RS1/16S###J	
COILS AND FILTERS		OTHERS		
L1103,L1104 CHOKE COIL	ATH1119	KN1201-KN1206 GROUND PLATE	ANK-142	
L1101,L1102 CHOKE COIL	ATH1187	KN1208-KN1211 GROUND PLATE	ANK-142	_
L1105,L1106 CHOKE COIL	ATH1187	CN1202 6P TOP POST	B6B-EH	
A DA CITODE		CN1201 8P TOP POST	B8B-EH	
CAPACITORS - 0.1464	ACE1160			
C1161-C1164,C1116 (3.3U/250V) C1101,C1112,C1113 (0.22U/250V)	ACE1168 ACG1112			
C1121 (470p/630V)	ACG1112 ACG1126	[50X D-D CON BLOCK]		C
C1105	CCG1186	<u>SEMICONDUCTORS</u>		
C1141,C1142,C1144,C1145	CKSRYB104K16	IC1321	PS2701A-1(L)	
		IC1326	TA76431FR	
C1102,C1146	CKSRYB105K6R3	Q1324 Q1302	2SA1037K 2SC4081	
C1103	CKSYB105K25	Q1301,Q1323	2SD1898	_
RESISTORS		·		
R1101	ACN1168	Q1321,Q1325,Q1351	HN1C01FU	
R1142,R1146	RS1/10S1003F	D1303,D1324	1SS301	
R1122,R1123	RS1/10S104J	D1304,D1307,D1325,D1328	1SS355	
R1148,R1150	RS1/16S5601F	D1301,D1302,D1326,D1327 D1321	CRH01 D1FK60	
R1151,R1155	RS1/16S6801F	D1321	DII Koo	С
D1106 D1101	DCOMME100 I	D1329,D1330	UDZS4R7(B)	
R1106,R1121 Other Resistors	RS2MMF100J RS1/16S###J	D1306,D1323,D1331	UDZS5R1(B)	
Other registors	1101/100###0	COIL & AND EILTEDS		
		COILS AND FILTERS ⚠T1301 SWITCHING TRANS.	ATK1159	
50X SUS BLOCK]		T1321 SWITCHING TRANS.	ATK1160	
<u>EMICONDUCTORS</u>				
IC1202	AXF1140	CAPACITORS		
IC1201	MM1565AF	C1325	ACH1428	
IC1252	PS9117	C1326	CEHAT100M50	
IC1251 IC1271	TND301S TND307TD	C1302,C1321	CEHAT101M25	
101271	IND307 ID	C1301,C1303,C1323	CKSRYB103K50	Е
Q1251	2SC2412K	C1304,C1306,C1327	CKSRYB104K16	
Q1272	2SK3325-Z	C1307,C1324	CKSYB105K25	
D1281	1SS302	C1307,C1324	CNSTBTUSK2S	
D1201	1SS355	RESISTORS		
D1252	CRH01	R1337	RAB4C472J	
D4000	LID 7040/D)	R1321,R1322,R1326,R1339	RS1/10S224J	
D1282 D1251	UDZS16(B) UDZS5R6(B)	VR1321	CCP1392	
	05200110(D)	Other Resistors	RS1/16S###J	
COILS AND FILTERS				
L1204,L1211 INDUCTOR	ATH1186			
F1201 INDUCTOR	CTF1449			F
L1201,L1205,L1231	LFEA100J			· ·

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	Mark No. Description	Part No.	Mark No. Description	Part No.
	SUS CLAMP 1 ASSY		C2141,C2143,C2144 C2102	CKSSYB104K10
	<u>SEMICONDUCTORS</u>	DECOLOGIA	G2102	CK31B103K23
Α	D1631	DF20L60U	RESISTORS	
	CAPACITORS		R2101 R2142,R2143	ACN1174 RS1/10S1003F
	C1632	ACE1179	R2142,R2143 R2103,R2107	RS1/10S1003F RS1/10S104J
	OTHERS		R2146,R2149	RS1/16S5601F
_	KN1632 GROUND PLATE	ANK-142	R2147,R2151	RS1/16S6801F
	CN1631 3P TOP POST	B3B-EH	R2102	RS2MMF100J
	KN1631 WRAPPING TERMINAL	VNF1084	R2108	RS3LMF100J
			Other Resistors	RS1/16S###J
	SUS CLAMP 2 ASSY		reavious pricord	
В	SEMICONDUCTORS		[50Y SUS BLOCK] SEMICONDUCTORS	
	D1641	DF20L60U	IC2252,IC2253	AXF1141
	2.011	51 202000	IC2350	MM1565AF
	CAPACITORS		IC2250	PS9117
	C1642	ACE1179	IC2231,IC2251 IC2203,IC2221	TND301S TND307TD
	OTHERS		•	
	KN1642 GROUND PLATE	ANK-142	Q2202 Q2250	2SA2142 2SC4081
	CN1641 3P TOP POST KN1641 WRAPPING TERMINAL	B3B-EH VNF1084	Q2290	2SK3050
	NIVIO41 WHALLING LEHWINAL	VIVI 1004	Q2221	2SK3325-Z
С			Q2280,Q2281	2SK3399
C	50 Y DRIVE ASSY		D2233	1SS301
	[50Y LOGIC BLOCK]		D2213 D2203,D2212,D2351	1SS302 1SS355
	SEMICONDUCTORS		D2203,D2212,D2331 D2202,D2204,D2205,D2234	CRH01
	IC2002	TC74ACT540FT	D2251,D2252,D2272	CRH01
	IC2001,IC2004	TC74ACT541FT	D2211	D1FK60
	IC2003,IC2005	TC74VHC08FTS1	D2232,D2271	UDZS16(B)
	CAPACITORS		D2250	UDZS5R6(B)
	C2003	CEHAT470M16	COILS AND FILTERS	
	C2001,C2002,C2004-C2006	CKSSYB104K10	L2353 INDUCTOR	ATH1186
D	<u>RESISTORS</u>		F2301-F2320 FERRITE BEAD F2352 INDUCTOR	ATX1055
	R2003,R2006	RAB4C101J	L2350,L2351,L2354	CTF1449 LFEA100J
	R2001,R2002,R2017,R2021 R2004,R2005,R2019,R2020	RAB4C470J RAB4C472J		
	Other Resistors	RS1/16S###J	CAPACITORS	1051170
	OTHERS		C2330,C2335,C2341,C2342 C2231 (0.33U/100V)	ACE1178 ACG1118
_	CN2001 40P CONNECTOR	AKM1217	C2271,C2272 (0.1U/100V)	ACG1124
			C2336,C2337 C2270	ACH1423 ACH1426
	[50Y RESONANCE BLOCK]		OZZ70	A0111420
	SEMICONDUCTORS		C2226 C2207	ACH1427
Ε	IC2101	AXF1142	C2355,C2369	CCSRCH102J50 CEHAT101M10
	IC2141	BA10393F	C2357	CEHAT470M16
	Q2141 D2101-D2105	2SC4081 D1FL40	C2208,C2221,C2339,C2364	CEHAT470M25
			C2356	CKSRYB104K16
	COILS AND FILTERS	ATI 14440	C2353,C2358,C2359	CKSRYB105K6R3
	L2103,L2104 CHOKE COIL L2101,L2102 CHOKE COIL	ATH1119 ATH1187	C2363 C2209,C2222,C2230,C2252	CKSRYB473K16 CKSRYF104Z50
	L2105,L2106 CHOKE COIL	ATH1187	C2250	CKSSYB104K10
	CAPACITORS		C2354,C2360	CKSYB105K25
	C2131-C2134,C2136 (3.3U/250V)	ACE1168	,	
F	C2103,C2107,C2108 (0.22U/250V)	ACG1112		
	C2104 (470p/630V) C2106	ACG1126 CCG1186		
	C2101,C2145	CKSRYB105K6R3		
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Mark No.	Description	Part No.	Mark No. Description	on Part No.	
RESISTORS			CAPACITORS		
R2352		ACN1166	C2531	ACE1177	
R2304		ACN1174	C2516	ACH1360	
R2360,R2362		ACN1178	C2532	ACH1425	Α
R2277-R2279,R	R2281	ACN1241	C2513	ACH1428	
R2210,R2211		RS1/10S151J	C2520	CEHAT101M16	
R2290		RS1MMF331J	C2515	CEHAT101M25	
R2222,R2224		RS2MMF5R6J	C2528	CEHAT221M16	
R2203		RS3LMF821J	C2514,C2525,C2534	CKSRYB104K16	
Other Resistors		RS1/16S###J	C2521,C2533,C2535	CKSRYB104K25	
<u>OTHERS</u>			<u>RESISTORS</u>		
,	2 GROUND PLATE	ANK-142	R2553	RAB4C472J	
KN2354 GROU	7 GROUND PLATE	ANK-142 ANK-142	R2558 R2533,R2556	RS1/10S0R0J RS1/10S104J	
,	3 GROUND PLATE	ANK-142 ANK-142	R2533,R2536 R2534,R2535,R2541	RS1/10S2203F	В
	2 KR CONNECTOR	B4B-PH-K	R2548	RS1/16S1003F	
CN2350 9PTC	OP POST	B9B-EH	R2550	RS1/16S1802F	
			R2549,R2557	RS1/16S4702F	
			R2542,R2545	RS1/16S5601F	
[50Y SCAN BL	_		VR2503 VR2531	CCP1390	
SEMICONDUC			VH2531	CCP1392	
IC2403,IC2405,	IC2406,IC2408	PS9117	Other Resistors	RS1/16S###J	
IC2401 IC2402,IC2407		PS9851-2(P) TC74ACT540FT			
102402,102407		1074AC1540F1			
COILS AND F	ILTERS		[50Y D-D CON BLOCK]		С
L2401-L2403		LFEA100J	SEMICONDUCTORS		Ü
			IC2602	BA10358F	
CAPACITORS			IC2601,IC2603,IC2606	PS2701A-1(L)	
C2404,C2411		ACH1413	IC2605,IC2614	TA76431FR	
C2401,C2407,C	2414	CEHAT101M10	Q2610 Q2601,Q2609	2SA1163 2SA1576A	
	2405,C2408-C2410	CKSSYB104K10	Q2601,Q2609	25A1576A	
C2412		CKSSYB104K10	Q2608	2SA2005	
DECICTORS			Q2607	2SC2713	
RESISTORS		DAD400001	Q2612	2SC4081	
R2407,R2421 R2402.R2409		RAB4C220J RS1/10S0R0J	Q2605,Q2606	2SD1898	
Other Resistors		RS1/16S###J	Q2603,Q2604,Q2611	DTC143EUA	
Carlot Floolotoro		1101,10011110	00000 00010 00011	11014 004 511	D
OTHERS			Q2602,Q2613,Q2641 D2611	HN1C01FU 1SS226	
·	BRIDGE CONNECTOR	AKM1200	D2604,D2612	1SS301	
CN2402 15P B	BRIDGE CONNECTOR	AKM1200	D2602,D2613-D2615	1SS355	
			D2601,D2603,D2609,D2618	CRH01	
[[0](](]]	ON DI COIC				
[50Y VH D-D C	-		D2610	D1FL40	_
SEMICONDUC	CTORS		D2617	UDZS15(B) UDZS4R7(B)	
IC2531 IC2502		BA10358F	D2607,D2608 D2605	UDZS5R1(B)	
IC2502		MIP2E3DMC PS2701A-1(L)	D2616	UDZS5R6(B)	
IC2534,IC2535		TA76431FR		()	
Q2533		2SC2412K	COILS AND FILTERS		Е
			⚠T2602 CONVERTER TRANS.	ATK1156	
Q2531		2SC3425	⚠T2601 SWITCHING TRANS.	ATK1161	
Q2532		2SD2568	0.15.01505		
Q2511		HN1C01FU	CAPACITORS		
D2534 D2522,D2524		1SS355 CRH01	C2608,C2610	CEHAT221M25	
52022,52024		31 11 10 1	C2613 C2606	CEHAT221M25 CEHAT221M6R3	
D2523,D2532		D1FK60	C2607	CKSRYB102K50	
D2533		UDZS33(B)	C2605,C2612,C2614	CKSRYB103K50	
D2536		UDZS4R7(B)	, , , , -		
D2530,D2531		UDZS8R2(B)	C2601,C2604,C2609	CKSRYB104K16	
COUCANDE	II TEDO		C2602,C2615	CKSRYB105K6R3	F
COILS AND F		ATI/4 4 5 0	C2603	CKSRYF104Z50	
<u>↑</u> T2503 CONVE L2501	HIEH IHANS.	ATK1158 LFEA101J	C2611	CKSSYB104K10	
L2301		LICATUIJ			
			PDP 506PE	37	7
			PDP-506PE		

	Mark No. Descript	ion Part No.	Mark No. Description	Part No.
	<u>RESISTORS</u>		<u>OTHERS</u>	
	R2613	RAB4C472J	CN3003 PH CONNECTOR 6P	AKM1277
	R2641,R2642	RS1/10S224J	CN3004 PH CONNECTOR 12P	AKM1298
Α	R2629	RS1/16S1002F	JA3001 DVI CONNECTOR	AKP1276
	R2625,R2626	RS1/16S1501F	JA3002 MDR CONNECTOR	AKP1277
	R2608,R2612,R2630,R2632,	R2635 RS1/16S4701F		
	R2618	RS1/16S4702F	[MODULE UCOM BLOCK]	
	R2636	RS1/16S5601F	SEMICONDUCTORS	
	R2652	RS1/16S6801F	IC3156	BR24L04FJ-W
	R2627	RS3LMF151J	IC3151	M30620FCPGP-U5C
	VR2601	CCP1390	IC3157	M62334FP
	Other Resistors	RS1/16S###J	IC3158	MM1522XU
	Other nesistors	N31/103###J	IC3155	SN74AHC08PW
В			IC3152,IC3153	SN74AHC541PW
	HD DIGITAL ASSY		IC3160	TC74VHC123AFTS1
			IC3159	TC7W126FU
	<u>OTHERS</u>		Q3151	2SJ461A
	DD CON UNIT	AXY1116	D3156,D3159,D3161-D3163	1SS355
_	REMOTE RECEIVER UNIT	RPM7240-H4	D3151,D3152,D3154,D3155,D3158	DAN202U
	HD DIGITAL ASSY		CAPACITORS .	
			C3151	ACH1357
	[TMDS RX BLOCK]		C3164	CCSSCH101J50
	SEMICONDUCTORS		C3171,C3172,C3180	CKSRYB105K6R3
	IC3002	BA8274F	C3154	CKSSYB102K50
С	IC3001	SII1169CTU	C3152,C3153,C3155-C3158	CKSSYF104Z16
	IC3004	SN74AHC32PW		
	Q3009 Q3007	2SC4081 DTA143EUA	C3160-C3163,C3165,C3166,C3170	CKSSYF104Z16
			RESISTORS	
	Q3004	DTC124EUA	R3160,R3171,R3176	RAB4C101J
	Q3005	DTC143EUA	R3174	RAB4C103J
•	Q3002,Q3006,Q3008	RN1901	Other Resistors	RS1/16S###J
	Q3003	RN2901		
	D3001,D3002	1SS355	<u>OTHERS</u>	
	D3012	DA204U	∴ X3151 CERAMIC RESONATOR	ASS1178
	D3007-D3011	RB751V-40		
D	D3003	UDZS6R8(B)		
D	2000	02200.10(2)	[PANEL FLASH BLOCK]	
	COILS AND FILTERS		<u>SEMICONDUCTORS</u>	
	F3005 CHIP SOLID INDUCT	OR QTL1011	IC3301	MBM29PL160TD75TN
	L3003 CHIP SOLID INDUCT		IC3304	PST3610UR
			IC3302,IC3305	PST3628UR
	CAPACITORS		IC3303	SN74AHC08PW
_	C3030	ACH1357	Q3302	HN1C01FU
	C3034,C3036,C3038,C3040,	C3042 ACH1396	00004	DNI4004
	C3003,C3005,C3009,C3014,	C3019 CCSRCH331J50	Q3301	RN1901
	C3046	CCSRCH470J50	CADACITORS	
	C3044,C3045	CCSSCH101J50	<u>CAPACITORS</u>	0000011470150
Е			C3311 C3317	CCSRCH470J50
_	C3001,C3008,C3011,C3020,		C3304,C3307,C3309	CCSRCH471J50 CKSRYB472K50
	C3025-C3027	CCSSCH820J50	C3305,C3310	CKSSYB102K50
	C3018,C3021,C3023,C3024 C3015-C3017,C3028,C3029	CKSRYF105Z10	C3315	CKSSYB104K10
	C3015-C3017,C3028,C3029	CKSSYF104Z16 C3039 CKSSYF104Z16	00010	0.100121011110
	03031,03032,03003,03037,	55009 CN5511104210	C3301-C3303,C3306,C3308,C3316	CKSSYF104Z16
	C3041,C3043	CKSSYF104Z16		
			RESISTORS	
	<u>RESISTORS</u>		All Resistors	RS1/16S###J
	R3007	RAB4C220J		
	R3008-R3013	RAB4C470J	<u>OTHERS</u>	
	R3018	RAB4C472J	⚠ X3302 CRYSTAL OSCILLATOR	ASS1188
F	R3021	RS1/16S3900F		
	Other Resistors	RS1/16S###J		

PDP-506PE

lark No.	Description	Part No.	Mark No. Description	Part No.	
SQ ASIC BLO	•	<u> </u>	HD IR ASSY	<u> </u>	
EMICONDUC	-				
IC3401	ions	PEG122C	SEMICONDUCTORS		
103401		PEG1220	Q1681	2SC4116 DA204U	
OILS AND FI	ITERS		D1681	DA2040	
F3401,F3402 E		CCG1162	CAPACITORS		
,	HIP SOLID INDUCTO		C1681	CEVW470M6R3	
			C1682	CKSRYB103K50	
APACITORS			C1683	CKSSYB102K50	
C3402,C3419 (1	00UF/6.3V)	ACH1396	C1684	CKSSYF104Z16	
C3425,C3441 (1		ACH1396			
C3414-C3416,C		CKSRYF105Z10	RESISTORS		
C3403-C3410,C3	3412,C3413	CKSSYF104Z16	All Resistors	RS1/16S###J	
C3417,C3418,C3	3420-C3424	CKSSYF104Z16			
	_		<u>OTHERS</u>		
C3439,C3440,C3	3442-C3449	CKSSYF104Z16	CN1681 3P L TYPE PLUG	KM200NA3L	
			V1681 REMOTE RECEIVER UNIT	RPM7240-H4	
<u>ESISTORS</u>					
R3402,R3412		RAB4C101J			
R3405-R3407,R3	3409,R3410	RAB4C220J			
R3416,R3417		RAB4C220J	HD AUDIO ASSY		
R3425 Other Resistors		RS1/16S5601F	OTHERS		
Other Resistors		RS1/16S###J	J3901 1P BOARD IN WIRE	ADX3123	
ADDRESS BL	OCK1				
EMICONDUC			[AUDIO AMP BLOCK]		
	ions	DANIOOOLI	SEMICONDUCTORS		
D3501,D3502		DAN202U	IC3754	BR24L02FJ-W	
ADACITODO			IC3751	LA4625	
APACITORS		OKOOND400KE0	IC3752	NJM7809FA	
C3501-C3504		CKSSYB102K50	IC3753	NJW1183L	
ESISTORS			Q3751,Q3754,Q3755,Q3757	2SA1576A	
	2505	DAD40404 I			
R3521,R3522,R3 R3524	3323	RAB4C101J RAB4C222J	Q3756,Q3759	2SC4081	
R3519,R3520		RAB4C472J	Q3758,Q3760	DTC124EUA	
Other Resistors		RS1/16S###J			
0110111000000		1101/100###0	<u>CAPACITORS</u>		
THERS			C3797,C3808,C3812,C3814	CEAT1R0M50	
	4 40P CONNECTOR	AKM1217	C3775,C3777,C3788,C3790,C3791	CEHAT100M50	
CN3506 40P C		AKM1217	C3799	CEHAT100M50	
CN3505		VKN1310	C3761,C3764,C3786,C3798	CEHAT101M16	
			C3766,C3780,C3783-C3785	CEHAT1R0M50	
			C3762	CEHAT220M50	
DIGITAL DD C	ON BLOCK]		C3762 C3752,C3753,C3819,C3820	CEHAT2R2M50	
APACITORS	-		C3759	CEHAT331M16	
C3609		CKSSYF104Z16	C3757	CEHAT471M25	
-			C3755	CEHAT472M25	
ESISTORS					
R3611		RAB4C101J	C3763	CEHATR47M50	
Other Resistors		RS1/16S###J	C3754,C3805	CFTLA103J50	
-			C3767,C3770,C3772-C3774	CFTLA104J50	
			C3781,C3782,C3789,C3792-C3795	CFTLA104J50	
			C3806,C3807,C3813	CFTLA104J50	
D LED ASS	SY		00040	OFTI 4000/50	
EMICONDUC			C3810	CFTLA223J50	
D1671	<u> </u>	SML-311UT	C3778 C3758,C3760,C3796	CFTLA334J50 CKSRYB103K50	
D1672		SML512BC4T	C3769,C3760,C3796	CKSRYB222K50	
- -		- -	C3769,C3615 C3779	CKSRYB822K50	
OILS AND FI	LTERS		00.70	ONOTH DOLLING	
	HIP SOLID INDUCTOR	R QTL1011	C3816	CKSRYF104Z16	
				-	
			<u>RESISTORS</u>		
			R3768-R3770,R3782	RD1/2MMF2R2J	
			R3752	RD1/2MMF4R7J	
			Other Resistors	RS1/16S###J	

1 ■ 2

Mark No. Description Part No.

OTHERS

CN3752 12P PH CONNECTOR AKM1335
3771 AUDIO HEATSINK ANH1636
CN3751 3P TOP POST (VH) B3P-VH

3772-3775 SCREW VBB30P100FNI KN3751 WRAPPING TERMINAL VNF1084

KN3752 WRAPPING TERMINAL VNF1084

[ST TERMINAL BLOCK]
COILS AND FILTERS

1 ∆ L3901,L3902 LINE FILTER ATF1206

CAPACITORS

Α

⚠ C3906,C3908,C3914,C3916
 C3903,C3911
 C3904,C3912
 CCSRCH101J50
 CKSRYB332K50
 CKSRYF473Z50

RESISTORS

R3901-R3904 RD1/2MMF100J

OTHERS

JA3901 SPEAKER TERMINAL AKE1061

POWER SUPPLY UNIT

POWER SUPPLY Unit has no service part.

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PDP-506PE

3

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6. ADJUSTMENT

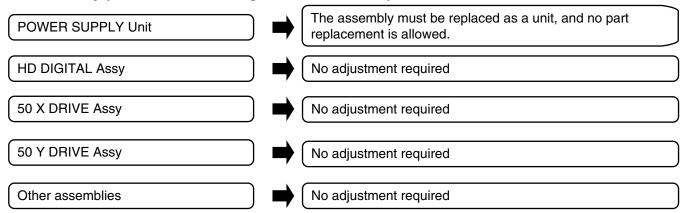


- 1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. If the adjustment is shifted or if it becomes necessary to readjust because of part replacement, etc., perform the adjustment as described below.
- 2. Any value changed in Service/Factory mode will be stored in memory as soon as it is changed. Before readjustment, take note of the original values for reference in case you need to restore the original settings.
- 3. Use a stable AC power supply.

6.1 ADJUSTMENT REQUIRED WHEN THE SET IS REPAIRED OR REPLACED

■ When any of the following assemblies is replaced **POWER SUPPLY Unit** (Clear the history data on the number of power-ons.) Refer to "7.1.7 HOW TO CLEAR HISTORY DATA." Writing of backup data is required. **HD DIGITAL Assy** Refer to the "7.1.6 BACKUP WHEN THE MAIN UNIT IS ADJUSTED. " 50 X DRIVE Assy No adjustment required 50 Y DRIVE Assy No adjustment required Refer to the "6.3 METHOD FOR REPLACING THE SERVICE Service Panel PANEL ASSY." Other assemblies No adjustment required

■ When any part in the following assemblies is replaced



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6.2 RS-232C COMMAND

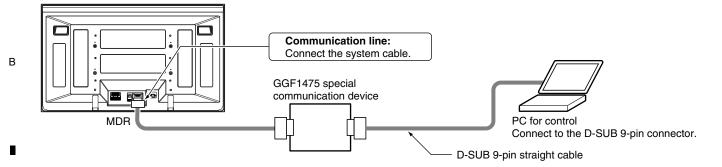
• The panel control items for the PDP-506PE, PU / PDP-436PE, PU systems can be controlled with the RS-232C commands by connecting a PC through the GGF1475 special communication device when the Media Receiver is not connected with the PDP.

3

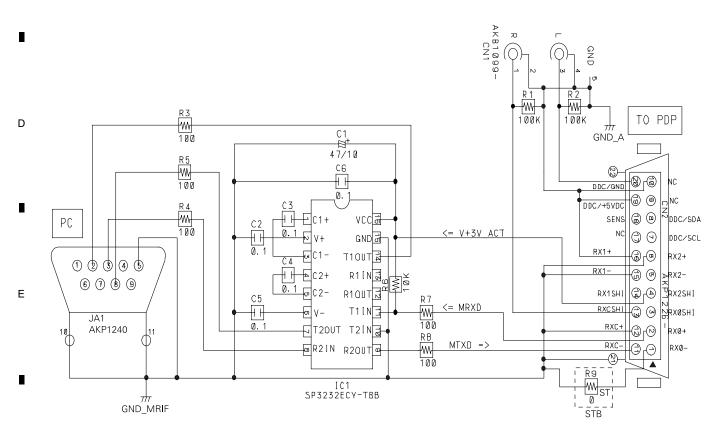
Note: The special communication device for the PDP-503P cannot be used with this unit, because the control lines within the MDR cable are different.

1. Connection

С



• Schematic diagram of the special communication device



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2. Command format

■ Communication protocol

Start bit : 1bit
Data : 8bit
Parity : 0 (none)
Stop bit : 1bit
Baud rate : 38400bps

■ Start and stop conditions

STX (start condition): 0x02 ETX (stop condition): 0x03

■ ID setting

No ID setting (corresponding to all ASCII codes)

■ Acknowledgement (ACK)

- Acknowledgement (ACK) will be sent back when the unit returns to Standby mode for the next command after the process of the received command is finished.
- The return data will be a received command in capital letters, but without an ID.

Example of communication: For a command listed on the command list

MR / External PC

STX

0x02

ID	Command	ETX
**	CBU	0x03



STX	Command	ETX
0x02	CBU	0x03

Returns from the PDP

• If a received command is not one listed on the command list, "ERR" (3 characters) will be sent back.

Example of communication: For a command that is not listed on the command list

MR / External PC

STX	ID	Command	ETX
0x02	**	AAA	0x03



STX	Command	ETX
0x02	ERR	0x03

Returns from the PDP

• If the operation of a received command is not possible in a certain status, "XXX" (3 characters) will be sent back.

Example of communication: If an adjustment command that gives an adjustment value out of the adjustable range is sent

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ЕТХ
0x02	**	VOL	128	0x03



Returns from the PDP			
STX	Command	ETX	
0x02	XXX	0x03	

■ Error process

If an error is generated between STX and ETX, a return signal will not be issued.

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3. Definition of various commands

■ Simple-function command

A simple-function command orders an operation that will conclude by itself, and it consists of 3 characters.

Example of communication:

MR / External PC

STX	ID	Command	ETX
0x02	**	CPD	0x03



Returns from the PDP

STX	Command	ETX
0x02	CPD	0x03

■ Adjustment command and adjustment value

An adjustment command is accompanied by an adjustment value and orders a change in the adjustment value, such as for the contrast adjustment.

- Adjustment command + adjustment value => The attached parameter will be the adjustment value.
- The adjustment value to be attached to an adjustment command consists of 3 characters in decimal, in the range of 000 to 999.

Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ЕТХ
0x02	**	CNT	128	0x03



Returns from the PDP

STX	Adjustment Command	Adjustment Value	ETX
0x02	CNT	128	0x03

- If the adjustment value of the received command is out of the adjustable range, "XXX" will be sent back, and the adjustment value will not be changed.
- If the adjustment value of the received command is the same as the current adjustment value, the adjustment value will be overwritten, and "XXX" will not be sent back.

■ Setup command and setup value

A setup command is accompanied by a setup value and orders a change in the setup value, such as for the mask setup.

- Setup command + setup value => The attached parameter will be the setup value.
- The setup value to be attached to a setup command consists of 3 characters in decimal, in the range of S00 to S99.

D Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ETX
0x02	**	MKS	S02	0x03



Returns from the PDP

STX	Adjustment Command	Adjustment Value	ETX
0x02	MKS	S02	0x03

- If the setup value of the received command is out of the range, "XXX" will be sent back, and the setup value will not be changed.
- If the setup value of the received command is the same as the current setup value, the setup value will be overwritten, and "XXX" will not be sent back.

■ QUEST (acquiring status) command

If a QUEST command is received from the main unit's microcomputer, data for various adjustment values will be read from memory and sent back. The return data consist of the received command as an echo back, return data, and a checksum.

- Return data: A string of characters defined for each QUEST command is converted into ASCII codes and transmitted.
- The configuration and the data length of return data are defined for individual QUEST commands.

Example of communication:

MR / External PC

 STX
 ID
 QST Command
 ETX

 0x02
 **
 QS1
 0x03



Returns from the PDP

STX	QST Command	Return Data	Checksum	ETX
0x02	QS1	54AHM2**	7B	0x03

• Checksum (CS): A checksum is used for judging if any error exists in the data sent back from the panel. If an error is detected, it is possible to resend the QUEST command from the MR / External PC to try to acquire data again.

	mand ime		Function	Effective only in Factory mode	Remarks
Α					
ABL	***	ABL ADJUSTMENT	Adjusting the upper limit of the power	0	
AMT	S00	AUDIO MUTE OFF	Turning off the audio muting		
	S01	AUDIO MUTE ON	Turning on the audio muting		
APW	S00	APL WB FUNCTION:OFF	WB correction interlocked with APL: OFF	0	
	S01	APL WB FUNCTION:ON	WB correction interlocked with APL: ON	0	
В					
BAL	***	BALANCE ADJUSTMENT	Audio balance adjustment		
BAS	***	BASS ADJUSTMENT	Audio bass adjustment		
ВСР		BACKUP COPY	Copying the backup data in the EEPROM	0	
С					
CBU		CLEAR BACKUP	Clearing backup data	0	
СНМ		CLEAR HOUR METER	Clearing data of the hour meter	0	Used only when the panel is replaced
CPC		CLEAR POWER ON COUNT	Clearing power-on count data	0	Used only when the power unit is replaced
CPD		CLEAR POWER DOWN	Clearing power-down information	0	Used only when the panel is replaced
СРМ		CLEAR PLUSE METER	Clearing data of the pulse meter	0	Used only when the panel is replaced
CSD		CLEAR SHUT DOWN	Clearing shutdown information	0	Used only when the panel is replaced
D					, , , ,
DRV	S00	DRIVE OFF	Main power off		
	S01	DRIVE ON	Main power on		
E					
ESV	S00	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve		
	S01	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve		
	S02	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve		
	S10	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve (domestic)		
	S11	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve (domestic)		
	S12	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve (domestic)		
F					
FAJ		FINISH ADJUSTMENT	Determining the flag of the HD DIGITAL Assy adjustment in "adjustment is completed"	0	
FAN		FACTRY NO		0	
FAY		FACTRY YES	Entering Factory mode		Turning the mask setting off
FCS	S00	FOCUS OFF	Turning the FOCUS function off		
	S01	FOCUS ON	Turning the FOCUS function on		
М					
MKC	S00	MASK COMBINATION OFF	MASK off		
	S01	MASK COMBINATION 01	H ramp (slant 1) M	0	
	S02	MASK COMBINATION 02	H ramp (slant 4) M	0	
	S03	MASK COMBINATION 03	Slanting ramp M	0	
	S04	MASK COMBINATION 04	30 for aging	0	
	S05	MASK COMBINATION 05	05 for aging	0	
	S06	MASK COMBINATION 06	Erasing afterimage 1	0	
	S07	MASK COMBINATION 07	Erasing afterimage 2 (RGB: zigzag, V: reverse)	0	
	S08	MASK COMBINATION 08	White (change in luminance level)	0	
	S09	MASK COMBINATION 09	PEAK SEEK RASTER	0	
MKS	S00	MASK SINGLE OFF	MASK OFF		
		MASK SINGLE 1	H ramp (slant 1)	0	
	S02	MASK SINGLE 2	H ramp (slant 4)	0	
	S03	MASK SINGLE 3	V ramp (slant 1)	0	
	S04	MASK SINGLE 4	Slanting ramp	0	

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	mand ime		Function	Effective only in Factory mode	Remarks
MKS	S05	MASK SINGLE 5	Window(Hi=870Lo=102)	0	
	S06	MASK SINGLE 6	Window(Hi=1023Lo=102)	0	
	S07	MASK SINGLE 7	Window(Hi=1023)	0	
	S08	MASK SINGLE 8	Window(Hi=1023)4%	0	
	S09	MASK SINGLE 9	Window(Hi=1023)1.25%	0	
	S10	MASK SINGLE 10	Window(1/7LINE)	0	
	S11	MASK SINGLE 11	STRIPE(MGT/GRN)	0	
	S12	MASK SINGLE 12	STRIPE(GRN/MGT)	0	
	S13	MASK SINGLE 13	B & W, checker (1 line)	0	
	S14	MASK SINGLE 14	B & W, checker (2 lines)	0	
	S15	MASK SINGLE 15	B & W, checker (4 lines)	0	
	S16	MASK SINGLE 16	B & W, checker (8 lines)	0	
	S17	MASK SINGLE 17	COLOR BAR	0	
	S18	MASK SINGLE 18	Slanting lines	0	
	S19	MASK SINGLE 19	Red & black, checker (1 line)	0	
	S20	MASK SINGLE 20	Red & black, checker (2 lines)	0	
	S21	MASK SINGLE 21	Red & black, checker (4 ines)	0	
	S22	MASK SINGLE 22	Red & black, checker (8 lines)	0	
	S23	MASK SINGLE 23	RGB zigzag, V reverse	0	
	S24	MASK SINGLE 24	SUS 2000 pulses (black raster)	0	
	S25	MASK SINGLE 25	Window(Hi=870Lo=102) PATTAN3	0	
	S26	MASK SINGLE 26	Window(Hi=1023Lo=102) PATTAN3	0	
	S27	MASK SINGLE 27	Window(Hi=1023) Pattern 3	0	
	S28	MASK SINGLE 28	Window(Hi=1023)4% Pattern 3	0	
	S29	MASK SINGLE 29	Window(Hi=1023)1.25% Pattern 3	0	
	S30	MASK SINGLE 30	Window(1/7LINE) Pattern 3	0	
	S51	MASK SINGLE 51	Raster - White	0	
	S52	MASK SINGLE 52	Raster - Red	0	
	S53	MASK SINGLE 53	Raster - Green	0	
	S54	MASK SINGLE 54	Raster - Blue	0	
	S55	MASK SINGLE 55	Raster - Black	0	
	S56	MASK SINGLE 56	Raster - Cyan	0	
	S57	MASK SINGLE 57	Raster - Magenta	0	
	S58	MASK SINGLE 58	Raster - Yellow	0	
	S59	MASK SINGLE 59	Raster - Cyan 460 :W	0	
	S60	MASK SINGLE 60	Raster - Green 774 :W	0	
	S61	MASK SINGLE 61	Raster - Gray 912 :W	0	
	S62	MASK SINGLE 62	Raster - Yellow egg color: W	0	
	S63	MASK SINGLE 63	Raster - Beige: W	0	
	S64	MASK SINGLE 64	Raster - Sky color: W	0	
	S65	MASK SINGLE 65	Raster - Pale purple: W	0	
	S66	MASK SINGLE 66	Raster - Magenta 54 :W	0	
	S67	MASK SINGLE 67	Raster - Red 588	0	
	S68	MASK SINGLE 68	Red 1023 + α	0	
	S69	MASK SINGLE 69	Green 1023 + α	0	
	S70	MASK SINGLE 70	Blue 1023 + α	0	
	S71	MASK SINGLE 71	Red 588 + α	0	
	S72	MASK SINGLE 72	Green 588 + α	0	
	S73	MASK SINGLE 73	Blue 588 + α	0	

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Command Name			Function	Effective only in Factory mode Remarks	
MKS	S74	MASK SINGLE 74	Raster -Gray 512 (reservation)	0	
Р					
PAV	S**	PANEL AV MODE	Switching panel functions interlocked with the AV selection		
PBH	***	PANEL BLUE HIGH	Panel white balance adjustment - Blue highlight	0	
PBL	***	PANEL BLUE LOW	Panel white balance adjustment - Blue low light	0	
PDM	S00	PD MUTE OFF	Passing PD signals to the Power SUPPLY Unit => Power-down		
	S01	PD MUTE ON	Not passing PD signals to the Power SUPPLY Unit => No power-down		
PFN		FACTORY NO	Factory mode: off	0	
PFS		PANEL FINAL SETUP	Setup at shipment	0	
PFY		FACTORY YES	Factory mode: on		
PGH	***	PANEL GREEN HIGH	Panel white balance adjustment - Green highlight	0	
PGL	***	PANEL GREEN LOW	Panel white balance adjustment - Green low light	0	
PGM	S**	PANEL GAMMA	Setting of the gamma table		
PMT	S00	MUTE OFF	Canceling panel muting		
	S01	MUTE ON	Panel muting		
POF	1	POWER OFF	Power off		
PON		POWER ON	Power on		
PPT	S00	PANEL PROTECT OFF	Panel protection: off	0	
	S01	PANEL PROTECT ON	Panel protection: on	0	
PUC	S00	PUER CINEMA:OFF	Pure cinema: off	<u> </u>	
	S01	PUER CINEMA:STD	Pure cinema: standard		
	S02	PUER CINEMA:ADV	Pure cinema: advanced		
Q	302	FOLH CINLINA.ADV	rule cilienta, auvanceu		
		OUECT AD ILICTMENT	A carriving various adjustment values		
QAJ		QUEST ADJUSTMENT QUEST PANEL INFORMATION	Acquiring various adjustment values		
QIP			Acquiring various input signal data		
QPD		QUEST POWER-DOWN	Acquiring logs of power-down points		
QPM		QUEST PULSE METER	Acquiring data of the pulse meter		
QPW		QUEST PANEL WHITE BALANCE	., 9,		
QS1		QUEST STATUS 1	Acquiring data on the unit, such as the version of the program		
QS2		QUEST STATUS 2	Acquiring data on the status of the unit, such as temperature		
QSD		QUEST SHUT DOWN	Acquiring data on shutdown		
QSI		QUEST SIGNAL INFORMATION	Acquiring data related with signals		
R					
RBL	S**	PANEL REVISE BLUE LEVEL	Setting of blue level for panel degradation correction	0	
RGL	S**	PANEL REVISE GREEN LEVEL	Setting of green level for panel degradation correction	0	
RHI	***	RED HIGH	User white balance - Red highlight		
RLW	***	RED LOW	User white balance - Red low light		
RRL	S**	PANEL REVISE RED LEVEL	Setting of red level for panel degradation correction	0	
RSW	***	XY-RST-W ADJ	Adjustment of the width of XY reset pulse	0	
S					
SDM	S00	SD MUTE OFF	Shutdown enabled		
	S01	SD MUTE ON	Shutdown prohibited		
SFR	S01	SUS FREQUENCY MODE1	Measures against AM radio noise - Pattern 1	0	
	S02	SUS FREQUENCY MODE2	Measures against AM radio noise - Pattern 2	0	
	S03	SUS FREQUENCY MODE3	Measures against AM radio noise - Pattern 3	0	
	S04	SUS FREQUENCY MODE4	Measures against AM radio noise - Pattern 4	0	
	S05	SUS FREQUENCY MODE5	Measures against AM radio noise - Pattern 5	0	
	S06	SUS FREQUENCY MODE6	Measures against AM radio noise - Pattern 6	0	
	S07	SUS FREQUENCY MODE7	Measures against AM radio noise - Pattern 7	0	

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Command Name			Function	Effective only in Factory mode	Remarks
SFR	S08	SUS FREQUENCY MODE8	Measures against AM radio noise - Pattern 8	0	
SMM	S**	SIDE MASK MODE	Setting of the effective area during streaking correction	0	
SN0	***	SERIAL NO 0	Setting of the serial No. 0 (panel)	0	
SN1	***	SERIAL NO 1	Setting of the serial No. 1 (panel)	0	
SN2	***	SERIAL NO 2	Setting of the serial No. 2 (panel)	0	
SN3	***	SERIAL NO 3	Setting of the serial No. 3 (panel)	0	
SN4	***	SERIAL NO 4	Setting of the serial No. 4 (panel)	0	
SRS	S00	SRS OFF	SRS function: off		
	S01	SRS ON	SRS function: on		
SYS	S00	SYSTEM CABLE NO	Prohibiting monitoring of cable disconnection detection		
	S01	SYSTEM CABLE YES	Permitting monitoring of cable disconnection detection		
Т					
TBS	S00	TRUBASS OFF	TruBass function: off		
	S01	TRUBASS ON	TruBass function: on		
TRE	***	TREBLE ADJUSTMENT	Audio treble adjustment		
U					
UAJ		UN-ADJUSTMENT	Determining the flag for the HD DIGITAL Assy adjustment in "not adjusted"	0	
V					
VFQ	S01	FREQENCY VIDEO 48Hz	Setting the frequency in Mask mode to VD-48 Hz	0	
	S02	FREQENCY VIDEO 50Hz	Setting the frequency in Mask mode to VD-50 Hz	0	
	S03	FREQENCY VIDEO 60Hz	Setting the frequency in Mask mode to VD-60 Hz	0	
	S05	FREQENCY THEATER 72Hz	Setting the frequency in Mask mode to VD-72 Hz	0	
	S06	FREQENCY 75Hz	Setting the frequency in Mask mode to VD-75 Hz	0	
	S13	FREQENCY PC 60Hz	Setting the frequency in Mask mode to PC-60 Hz	0	
	S14	FREQENCY PC 70Hz	Setting the frequency in Mask mode to PC-70 Hz	0	
	S22	FREQENCY VIDEO 50Hz NONSTD	Setting the frequency in Mask mode to VD-50 Hz (nonstandard)	0	
	S23	FREQENCY VIDEO 60Hz NONSTD	Setting the frequency in Mask mode to VD-60 Hz (nonstandard)	0	
	S25	FREQENCY VIDEO 72Hz NONSTD	Setting the frequency in Mask mode to VD-72 Hz (nonstandard)	0	
	S26	FREQENCY VIDEO 75Hz NONSTD	Setting the frequency in Mask mode to VD-75 Hz (nonstandard)	0	
VOF	***	Vofs ADJUSTMENT	Adjustment of the reference value of Vofs voltage	0	
VOL	***	VOLUME	Audio volume adjustment		
VRP	***	Vrp ADJUSTMENT	Adjustment of the reference value of Vrst-p voltage	0	
VSU	***	Vsus ADJUSTMENT	Adjustment of the reference value of Vsus voltage	0	
w					
WBI	S00	WB INITIALIZE NO	Panel WB standard output mode: off	0	
WBI	S01	WB INITIALIZE YES	Panel WB standard output mode: on	0	
х			·		
XSB	***	X-SUS-B ADJ	X-SUS-B ADJ	0	
Υ					
YSB	***	Y-SUS-B ADJ	Y-SUS-B ADJ	0	
YTG	***	Y-SUSTAIL ADJ	Y-SUSTAIL ADJ	0	
YTW	***	Y-SUSTAIL W AJD	Y-SUSTAIL W AJD	0	

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5. QUEST commands (for acquiring status)

With a QUEST command, data on STBY/ON, PD, and SD can be obtained while the unit is on.

■ Acquisition of panel statuses • • • [QS1]

The command QS1 is for acquiring data necessary for authentication of both the main unit's microcomputer and the module's microcomputer.

Command Format	Effective Operation Modes	Function	Remarks
[QS1]	All operations	To acquire data on product status	Return data: 3 (ECO)+43(DATA)+2(CS)=48Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS1
1	Resolution/size	1Byte	5
2	Generation	1Byte	6
3	Destination	1Byte	*
4	Grade	1Byte	*
5	Product type	1Byte	S
6	MDUcom-Boot	3Byte	01A
7	MDUcom-PRG	8Byte	001SM "space × 3"
8	SEQUENCE PROCESSOR-Boot	3Byte	01A
9	SEQUENCE PROCESSOR-Boot	8Byte	001AM "space × 3"
10	SQ-VIDEO(43/42)	4Byte	001X
11	SQ-PC(43/42)	4Byte	001X
12	SQ-VIDEO(50/61)	4Byte	001W
13	SQ-PC(50/61)	4Byte	001W
cs		2Byte	7B

■ Resolution/size	
4	1024*768-43
5	1280*768-50

● Generation		
6	G6	

Destination	
*	Common

● Grade		
*	Common	

MDUcom/SEQUENCE PROCESSOR-Boot • • • 3Byte		
1st character		Representing the boot version in 2-digit decimal
2nd character		
3rd character A		When the boot version is common to 43/50
	Х	When the boot version is only for 43
	W	When the boot version is only for 50

● Product type	
S	System model

● MDUcom/SEQUENCE PROCESSOR-PRG • • • 8Byte			
1st character	-	For a mass-production product	
2nd character 3rd character		For representing the version in 2-digit decimal	
4th character	Α	When the program is common to 43/50 (for SEQUENCE PROCESSOR)	
	S	When the program is only for another unit (for MDUcom)	
5th character	М	Fixed	
6th character		Reservation	
7th character		Reservation	
8th character		Reservation	

SEQUENCE-Data • • • 8Byte		
1st - 3rd characters Num For representing the version in 3-digit decimal		For representing the version in 3-digit decimal
4th character	W	When the sequence data are only for 50
	Х	When the sequence data are only for 43

• For the version indication, the bytes reserved for special use must be replaced with spaces if they are not used.

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■ Acquisition of panel operation data • • • [QS2]

The command QS2 is for acquiring data on the panel's operations. Basically, this command is used for the module's microcomputer to inform the main unit's microcomputer of changes in panel operation.

Command Format	Effective Operation Modes	Function	Remarks
[QS2]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+23(DATA)+2(CS)=28Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS2
1	Notification of mode shifting to STB	1Byte	1
2	Flag for adjustment of the main unit	1Byte	0
3	Flag for adjustment-data backup	1Byte	0
4	"1st PD" data	1Byte	0
5	"2nd PD" data	1Byte	0
6	Reservation	3Byte	***
7	Temperature data (TEMP 1)	3Byte	128
8	SD main data	1Byte	0
9	SD subdata	1Byte	0
10	Operation status induced by SD	1Byte	0
11	Data from the hour meter	8Byte	00000259
12	MASK indication	1Byte	0
cs		2Byte	4A

Note: "00000259" of "Data from the hour meter" means 2 hours 59 minuts.

 Notification of mode shifting to Standby

Entering Standby mode failed **Entering Standby** mode succeeded

Adjustment of the main unit		
0	Adjustment completed	
1	Adjustment not completed	

Adjustment-data backup	
0	With backup data
1	No data

● PD data		
0	No PD data	
1	Not used	
2	POWER	
3	SCAN	
4	SCN-5V	
5	Not used	
6	Y-DCDC	
7	Y-SUS	
8	ADRS	
9	X-DRV	
Α	X-DCDC	
В	X-SUS	
С	Not used	
D	SQ-IC	
Е	Not used	
F	Specification inability	

● SD	SD main data	
0	No SD	
1	SQ-IC	
2	MDU-IIC	
3	RST2	
4	Panel having high temperature	
5	Short-circuited speaker	

● SD subdata (IIC)		
0	No SD subdata	
1	EEPROM	
2	BACKUP	
3	DAC	
4	VOL IC	
5	DVI	

Operation status induced by SD	
0	Normal
1	Relay-off completed
2	During warning indication

• MA	SK indication
0	MASK-OFF
1	MASK-ON

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■ Acquisition of other data on the panel • • • [QIP]

The command QIP is for acquiring data other than those available with QS1 (data necessary before turning the power on) and QS2 (data to inform of operational status change).

Command Format	Effective Operation Modes	Function	Remarks
[QIP]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+39(DATA)+2(CS)=44Byte

Data Arrangement		Data Length	Output Example
ECO		3Byte	QIP
1	SERIAL	15Byte	
2	HOUR METER	8Byte	00000000
3	BACKUP HR MTR	8Byte	00000000
4	PON COUNTER	8Byte	00000000
cs		2Byte	94

Note: The real product serial number is displayed in "SERIAL".

■ Acquisition of panel adjustment data (common data) • • • [QAJ]

The command QAJ is for acquiring data on the panel's factory-preset items that are common to the main unit and that share the same memory.

Command Format	Effective Operation Modes	Function	Remarks
[QAJ]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+27(DATA)+2(CS)=32Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QAJ
1	V-SUS adjustment value	3Byte	128
2	V-OFT adjustment value	3Byte	128
3	V-RST-P adjustment value	3Byte	128
4	XSB adjustment value	3Byte	128
5	YSB adjustment value	3Byte	128
6	YTG adjustment value	3Byte	128
7	YTW adjustment value	3Byte	128
8	RSW adjustment value	3Byte	128
9	R-RIVISE setting value	1Byte	0
10	G-RIVISE setting value	1Byte	0
11	B-RIVISE setting value	1Byte	0
cs		2Byte	B7

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■ Acquisition of ABL/WB adjustment data • • • [QPW]

The command QPW is for acquiring data on the panel's factory-preset items whose memory tables are changed in sequence.

Command Format	Effective Operation Modes	Function	Remarks
[QPW]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+35(DATA)+2(CS)=40Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QPW
1	Drive sequence	3Byte	60V
2	Standard/nonstandard	1Byte	S
3	Type of ABL/WB tables	2Byte	T2
4	ABL adjustment value	3Byte	128
5	R-HIGH adjustment value	3Byte	256
6	G-HIGH adjustment value	3Byte	256
7	B-HIGH adjustment value	3Byte	256
8	R-LOW adjustment value	3Byte	512
9	G-LOW adjustment value	3Byte	512
10	B-LOW adjustment value	3Byte	512
11	Gamma setting	1Byte	Α
12	Streaking correction	1Byte	1
13	Peripheral luminance correction	1Byte	0
14	Reservation	1Byte	*
15	WB interlocked with APL	1Byte	0
16	Transition of protective operations	1Byte	0
17	Reservation	2Byte	**
cs		2Byte	37

Driv	ve sequence
48V	Video48 Hz
50V	Video50 Hz
60V	Video60 Hz
72V	Video72 Hz
75V	Video75 Hz
60P	PC60Hz
70P	PC70Hz

● Setting for Items 12 and 15		
0	OFF	
1	ON	
	1011	

Peripheral luminance correction		
0	OFF	
2	ON (interlocked with APL)	

Standard/ nonstandard				
S Standard				
N Nonstandard				

 Transition of brightness by protective operations 				
0 Upper limit state for brightness				
1	1 Brightness being reduced			
2 Lower limit state for brightness				
3	Brightness heing increased			

Gamma setting				
n 0 to F				

● Type of ABL/WB tables				
Tn	n: 1 to 4			

■ Acquisition of parameters • • • [QPM]

The command QPM is for acquiring the accumulated number of pulses for each of 5 blocks from the EEPROM.

Command Format	Effective Operation Modes	Function	Remarks
[QPM]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+40(DATA)+2(CS)=45Bvte

Data Arrangement		Data Length	Output Example
ECO		3Byte	QPM
1	Pulse meter B 1	8Byte	00000000
2	Pulse meter B 2	8Byte	00000000
3	Pulse meter B 3	8Byte	00000000
4	Pulse meter B 4	8Byte	00000000
5	Pulse meter B 5	8Byte	00000000
cs		2Byte	E7

[•] The output data on the accumulated number of pulses for each block are calculated in the following way: the high-order 4 bytes of the accumulated number of pulses for each block are converted into a decimal number, and the high-order 8 digits are transmitted. The unit of each block is M_pulse (mega).

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■ Acquisition of PD logs • • • [QPD]

The command QPD is for acquiring data from the 8 latest power-down (PD) logs.

Command Format	Effective Operation Modes	Function	Remarks
[QPD]	All operations	To acquire data on the power-down logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

	Data Arrangement	Data Length	Output Example
ECO	ECO		QPD
1	Latest "1st PD" data	1byte	Α
2	Latest "2nd PD" data	1byte	2
3	Data from the hour meter for the latest PD	8byte	00010020
4	Second latest "1st PD" data	1byte	E
5	Second latest "2nd PD" data	1byte	9
6	Data from the hour meter for the second latest PD	8byte	00008523
7	Third latest "1st PD" data	1byte	4
8	Third latest "2nd PD" data	1byte	3
9	Data from the hour meter for the third latest PD	8byte	00004335
10	Fourth latest "1st PD" data	1byte	2
11	Fourth latest "2nd PD" data	1byte	0
12	Data from the hour meter for the fourth latest PD	8byte	00000945
13	Fifth latest "1st PD" data	1byte	4
14	Fifth latest "2nd PD" data	1byte	0
15	Data from the hour meter for the fifth latest PD	8byte	00000715
16	Sixth latest "1st PD" data	1byte	Α
17	Sixth latest "2nd PD" data	1byte	2
18	Data from the hour meter for the sixth latest PD	8byte	00000552
19	Seventh latest "1st PD" data	1byte	Α
20	Seventh latest "2nd PD" data	1byte	0
21	Data from the hour meter for the seventh latest PD	8byte	00000213
22	Eighth latest "1st PD" data	1byte	D
23	Eighth latest "2nd PD" data	1byte	0
24	Data from the hour meter for the eighth latest PD	8byte	000001A7
cs		2Byte	27

● PD data			
0	No PD		
1	Not used		
2	P-POWER		
3	SCAN		
4	SCN-5V		
5	Not used		
6	Y-DCDC		
7	Y-SUS		
8	Address		
9	X-DRIVE		
Α	X-DCDC		
В	X-SUS		
С	DIG-DCDC		
D	QS (driving stopped)		
Е	Not used		
F	Specification inability		

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Е

■ Acquisition of SD logs • • • [QSD]

The command QSD is for acquiring the data from the 8 latest shutdown (SD) logs.

Command Format	Effective Operation Modes	Function	Remarks
[QSD]	All operations	To acquire data on the shutdown logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QSD
1	Latest SD data	1byte	1
2	Latest SD subcategory data	1byte	0
3	Data from the hour meter for the latest SD	8byte	00752013
4	Second latest SD data	1byte	5
5	Second latest SD subcategory data	1byte	0
6	Data from the hour meter for the second latest SD	8byte	00495204
7	Third latest SD data	1byte	2
8	Third latest SD subcategory data	1byte	3
9	Data from the hour meter for the third latest SD	8byte	00100355
10	Fourth latest SD data	1byte	2
11	Fourth latest SD subcategory data	1byte	5
12	Data from the hour meter for the fourth latest SD	8byte	00075620
13	Fifth latest SD data	1byte	1
14	Fifth latest SD subcategory data	1byte	0
15	Data from the hour meter for the fifth latest SD	8byte	00000852
16	Sixth latest SD data	1byte	2
17	Sixth latest SD subcategory data	1byte	5
18	Data from the hour meter for the sixth latest SD	8byte	000000451
19	Seventh latest SD data	1byte	0
20	Seventh latest SD subcategory data	1byte	0
21	Data from the hour meter for the seventh latest SD	8byte	00000000
22	Eighth latest SD data	1byte	0
23	Eighth latest SD subcategory data	1byte	0
24	Data from the hour meter for the eighth latest SD	8byte	00000000
cs		2Byte	7D

• SD	● SD data				
0	No SD				
1	SQ-IC				
2	MDU-IIC				
3	RST2				
4	Panel having high temperature				
5	Short-circuited speaker				

• SD	● SD subcategory			
0	No SD subcategory			
1	EEPROM			
2	BACKUP			
3	DAC			
4	VOL-IC			
5	DVI			
6	Not used			

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В

■ Acquisition of input signal data • • • [QSI]

The command QSI is for acquiring all data on input video signals.

Command Format	Effective Operation Modes	Function	Remarks
[QSI]	All operations	To acquire all data on input video signals	Return data: 3 (ECO)+66(DATA)+2(CS)=71Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QSI
1	Type of drive sequence	3byte	60V
2	Standard/nonstandard	1byte	S
3	Type of ABL/WB tables	2byte	T1
4	Total value of PCN	4byte	0256
5	Total value of PRH	4byte	0256
6	Total value of PGH	4byte	0256
7	Total value of PBH	4byte	0256
8	Total value of PBR	4byte	0512
9	Total value of PRL	4byte	0512
10	Total value of PGL	4byte	0512
11	Total value of PBL	4byte	0512
12	Reservation	2byte	**
13	Detection of existence of H	1byte	Υ
14	Detection of V frequency	4byte	6002
15	Reservation	4byte	****
16	Obtained APL data	4byte	1023
17	Number of SUS pulses	4byte	0457
18	Result of detection of still picture	1byte	1
19	Result of detection of cracking in the panel	1byte	1
20	Result of detection for scanning protection	1byte	1
21	Result of detection for external protection	1byte	1
22	Transition of protection operation	1byte	0
23	Reservation	4byte	****
cs		2Byte	27

 Detection of existence of H 			
N	No H		
Υ	H detected		

 Transition of brightness by protection operation 				
0	Upper limit state for brightness			
1	Brightness being reduced			
2 Lower limit state for brightness				
3	Brightness being increased			

- If data for an item cannot be obtained during Standby mode, the return data for that item will be "*."
- The types of data for Items 1-3 in the table (drive sequence, standard/nonstandard, and type of ABL/WB tables) are the same as with the command QPW.
- Each total value for Items 4-11 represents that of panel WB, user WB, and degradation correction, and the actual data being sent to the ASTRA are output.
- Detection of V frequency: The V signal input to the panel is measured in the range of 30.51 to 99.99 Hz. The measured value is multiplied by 100 and then output.
- Number of SUS pulses : The number is calculated from data from APL and the drive sequence. The output value must be between 0174 and 2752.
- APL value: The APL value for the input video signal (or mask indication) will be output in the range of 0000 to 1023.

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■ Setting for Factory mode permission/prohibition • • • [FAY/FAN] [PFY/PFN]

The commands FAY/FAN and PFY/PFN are for prohibiting/permitting panel-adjustment commands during normal operation and are to be used to avoid accidental change of panel adjustment values.

0	Oį	peration			
Command Format	Effective Operation Modes	Control (by the microcomputer itself)	Remarks		
[FAY]	Normal operation mode		Mask indications will be forcibly turned off.		
[PFY]	while the power is on	Adjustment mode: ON	With a PFY command, the mask does not change.		
[FAN]	During FAV	A division and in a day OFF			
[PFN]	During FAY	Adjustment mode: OFF			

• Commands that are effective during normal operation will also be effective during FAY (PFY) mode.

Note:

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• The functions shown below will be forcibly switched when Mask ON/OFF is switched. (Even if the panel is off, changed settings will be retained.)

While the status of Mask ON or OFF is maintained, if settings for the individual functions shown in ① and ② are changed, those settings are retained (even if the drive frequency is changed).

1) Functions related to picture quality

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Peripheral luminance correction	OFF	ON	
WB correction interlocked with APL	OFF	ON	
Streaking correction	OFF	ON	

2 Functions related to panel protection

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Detection of still picture	OFF	ON	
Detection of cracking in the panel	OFF	ON	
Scanning protection	OFF	ON	

• Depending on the type of mask displayed, phosphor burn of the panel may occur. As the panel-protection function is forcibly turned off with this model, care must be taken when color-bar signals are to be displayed for an extended period.

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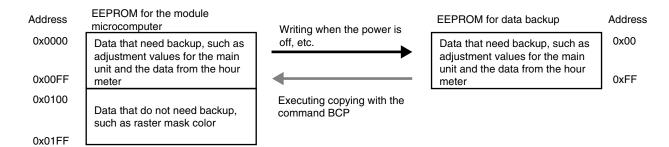
■ Backup function for adjustment values for the main unit • • • [FAJ/UAJ/CBU/BCP]

When the HD DIGITAL Assy is to be replaced, adjustment values can be copied from the backup EEPROM to the EEPROM of the Assy for service.

Command				
Command Format	Effective Operation Modes	Control (by the	Remarks	
[FAJ]		To make the flag setting that indicating that adjustment of the main unit has been completed	Writing 00 to the 4-kbyte ROM and copying to the 2-kbyte ROM	This takes at least 350 ms.
[UAJ]	During FAY	To make the flag setting that indicating that adjustment of the main unit has not been completed	Writing F0 to the 4-kbyte ROM	
[CBU]		To make the flag setting that indicating that backup data have not been copied	Writing F0 to the 2-kbyte ROM	The backup ROM is initialized.
[BCP]		To make the flag setting that indicating that backup data have been copied	Copying backup data	

When the flag indicating that the line adjustments (SUS waveform, voltage margin, and panel WB) for the main unit have been completed is set to on, data stored from Addresses 0x0000 to 0X00FF in the digital EEPROM are copied to the same addresses of the backup EEPROM. Copying will be executed immediately before the relay of normal operation is off.

- When the command BCP is received while a warning indicating that backup copying has not been completed is displayed (conditions: main EEPROM = not adjusted, and backup EEPROM = adjusted), backed-up data will be copied to the main EEPROM, and various adjustment values related to Factory mode will be readjusted. Then LED warning indication will be shut off, and normal LED indication will be restored.
- If the backup EEPROM has not been adjusted when the command BCP is received (0x0063 is not written to all three addresses of the key data), copying of the backup data is not possible, and "XXX" is returned.



Note:

- When the command FAJ, UAJ, or CBU is executed, only high-order one-byte (0x00 or 0xF0) key data will be written to the EEPROM, and lower-order one-byte (0x63) data will not be changed.
- It takes at least 350 ms from reception of the command FAJ until an echo is sent back, because data are copied to the backup EEPROM.

■ Factory presetting • • • [PFS]

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Command		Operation					
Format	Effective Operation Modes	Control (by the micro	Control (by the microcomputer itself)				
[PFS]	During FAY	Initialized to factory-preset values					

• When this command is executed, the values not stored in the EEPROM are initialized, mask indication is set to OFF, control of the power for line aging is set to OFF, and detection of the system cable is set to ON.

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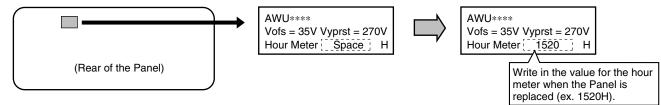
6.3 METHOD FOR REPLACING THE SERVICE PANEL ASSY

When the Panel Assy is replaced with one for service, the following adjustments are required:

■ Adjustments of Vofs voltage and Vyprst voltage

Enter the reference adjustment values for the Vofs voltage and Vyprst voltage that are written on the label attached to the panel for service.

Note: Enter the values, using an RS-232C command or the Factory Menu.



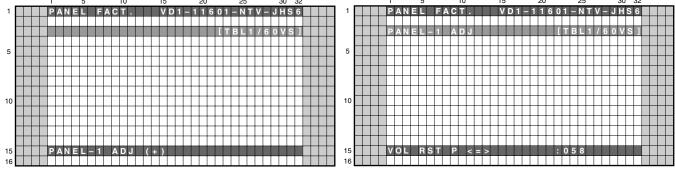
Using an RS-232C command

Enter a "PFY" command with Factory mode ON.

Convert the adjustment voltage values written on the label attached at the rear of the Panel to an input command, referring to the conversion chart. (See the next page.)

- Reference adjustment of the Vofs voltage: Ex. "Vofs = 35" → (Check the conversion chart.) Enter "VOF112."
- Reference adjustment of the Vyprst voltage: Ex. 50-inch "Vyprst = 270 V" → (Check the conversion chart.) Enter "VRP055." (Note that the conversion charts for 50-inch and 43-inch Panels are different.)

Using the Factory Menu



Select the main item "PANEL FACT." by pressing the MUTE key then enter Panel Factory mode by pressing the SET key. Using the \triangle/∇ keys, select "PANEL-1 ADJ" then press the SET key to enter the next lower nested layer. Select "VOL-OFFSET" or "VOL RST P" then enter a command value converted from the voltage value, using the $\blacktriangleleft/\triangleright$ keys.

■ Clearing data on various histories of the Panel, such as those on the hour meter

- It is necessary to clear the data on the hour meter, etc. to match them to the actual driving hours of the Panel.
- It is also necessary to clear the data on SD and PD, because the accumulated power-on time when a shutdown or power-down occurred is recorded.

Note: Clear the values, using an RS-232C command or the Factory Menu.

There are two types of hour meters. Do not take the MR hour meter for the hour meter.

Using an RS-232C command

To acquire the accumulated power-on time of the product itself, use the "GS2" RS-232C command.

1 To clear the data on the hour meter (for the Panel) : CHM
2 To clear the data on the pulse meter : CPM
3 To clear the data on the SD history : CSD
4 To clear the data on the PD history : CPD

Using the Factory Menu

See "7.1.7 HOW TO CLEAR HISTORY DATA."

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■ Conversion charts for electronic VRs: Conversion chart for the Vofs

Jonversion		e vots (Com		Common voi		for the 50-ii		inch models	•
Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common size
VOF000	14.09	VOF056	24.55	VOF112	35.01	VOF168	45.47	VOF224	55.93
VOF001	14.28	VOF057	24.74	VOF113	35.20	VOF169	45.66	VOF225	56.12
VOF002	14.46	VOF058	24.92	VOF114	35.38	VOF170	45.85	VOF226	56.31
VOF003	14.65	VOF059	25.11	VOF115	35.57	VOF171	46.03	VOF227	56.49
VOF004	14.84	VOF060	25.30	VOF116	35.76	VOF172	46.22	VOF228	56.68
VOF005	15.02	VOF061	25.48	VOF117	35.95	VOF173	46.41	VOF229	56.87
VOF006	15.21	VOF062	25.67	VOF118	36.13	VOF174	46.59	VOF230	57.05
VOF007	15.40	VOF063	25.86	VOF119	36.32	VOF175	46.78	VOF231	57.24
VOF008	15.58	VOF064	26.04	VOF120	36.51	VOF176	46.97	VOF232	57.43
VOF009	15.77	VOF065	26.23	VOF121	36.69	VOF177	47.15	VOF233	57.61
VOF010	15.96	VOF066	26.42	VOF122	36.88	VOF178	47.34	VOF234	57.80
VOF011	16.14	VOF067	26.61	VOF123	37.07	VOF179	47.53	VOF235	57.99
VOF012	16.33	VOF068	26.79	VOF124	37.25	VOF180	47.71	VOF236	58.17
VOF013	16.52	VOF069	26.98	VOF125	37.44	VOF181	47.90	VOF237	58.36
VOF014	16.70	VOF070	27.17	VOF126	37.63	VOF182	48.09	VOF238	58.55
VOF015	16.89	VOF071	27.35	VOF127	37.81	VOF183	48.27	VOF239	58.73
VOF016	17.08	VOF072	27.54	VOF128	38.00	VOF184	48.46	VOF240	58.92
VOF017	17.27	VOF073	27.73	VOF129	38.19	VOF185	48.65	VOF241	59.11
VOF018	17.45	VOF074	27.91	VOF130	38.37	VOF186	48.83	VOF242	59.30
VOF019	17.64	VOF075	28.10	VOF131	38.56	VOF187	49.02	VOF243	59.48
VOF020	17.83	VOF076	28.29	VOF132	38.75	VOF188	49.21	VOF244	59.67
VOF021	18.01	VOF077	28.47	VOF133	38.93	VOF189	49.39	VOF245	59.86
VOF022	18.20	VOF078	28.66	VOF134	39.12	VOF190	49.58	VOF246	60.04
VOF023	18.39	VOF079	28.85	VOF135	39.31	VOF191	49.77	VOF247	60.23
VOF024	18.57	VOF080	29.03	VOF136	39.49	VOF192	49.96	VOF248	60.42
VOF025	18.76	VOF081	29.22	VOF137	39.68	VOF193	50.14	VOF249	60.60
VOF026	18.95	VOF082	29.41	VOF138	39.87	VOF194	50.33	VOF250	60.79
VOF027	19.13	VOF083	29.59	VOF139	40.05	VOF195	50.52	VOF251	60.98
VOF028	19.32	VOF084	29.78	VOF140	40.24	VOF196	50.70	VOF252	61.16
VOF029	19.51	VOF085	29.97	VOF141	40.43	VOF197	50.89	VOF253	61.35
VOF030	19.69	VOF086	30.15	VOF142	40.62	VOF198	51.08	VOF254	61.54
VOF031	19.88	VOF087	30.34	VOF143	40.80	VOF199	51.26	VOF255	61.72
VOF032	20.07	VOF088	30.53	VOF144	40.99	VOF200	51.45		
VOF033	20.25	VOF089	30.71	VOF145	41.18	VOF201	51.64		
VOF034	20.44	VOF090	30.90	VOF146	41.36	VOF202	51.82		
VOF035	20.63	VOF091	31.09	VOF147	41.55	VOF203	52.01		
VOF036	20.81	VOF092	31.28	VOF148	41.74	VOF204	52.20		
VOF037	21.00	VOF093	31.46	VOF149	41.92	VOF205	52.38		
VOF038	21.19	VOF094	31.65	VOF150	42.11	VOF206	52.57		
VOF039	21.37	VOF095	31.84	VOF151	42.30	VOF207	52.76		
VOF040	21.56	VOF096	32.02	VOF152	42.48	VOF208	52.94		
VOF041	21.75	VOF097	32.21	VOF153	42.67	VOF209	53.13		
VOF042	21.94	VOF098	32.40	VOF154	42.86	VOF210	53.32		
VOF043	22.12	VOF099	32.58	VOF155	43.04	VOF211	53.50		
VOF044	22.31	VOF100	32.77	VOF156	43.23	VOF212	53.69		
VOF045	22.50	VOF101	32.96	VOF157	43.42	VOF213	53.88		
VOF046	22.68	VOF102	33.14	VOF158	43.60	VOF214	54.06		
VOF047	22.87	VOF103	33.33	VOF159	43.79	VOF215	54.25		
VOF048	23.06	VOF104	33.52	VOF160	43.98	VOF216	54.44		
VOF049	23.24	VOF105	33.70	VOF161	44.16	VOF217	54.63		
VOF050	23.43	VOF106	33.89	VOF162	44.35	VOF218	54.81		
VOF051	23.62	VOF107	34.08	VOF163	44.54	VOF219	55.00		
VOF052	23.80	VOF108	34.26	VOF164	44.72	VOF220	55.19		
VOF053	23.99	VOF109	34.45	VOF165	44.91	VOF221	55.37		
VOF054	24.18	VOF110	34.64	VOF166	45.10	VOF222	55.56		
VOF055	24.36	VOF111	34.82	VOF167	45.29	VOF223	55.75		

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (1/2)

Conversion chart for the Vyprst (Commands vs. Voltage values for the 50-inch and 43-inch models)									
Command	Voltage [V]		Command	Voltage [V]		Command		Voltage [V]	
\/DD000	50-inch Model		\/DD050	50-inch Model		\/DD446	50-inch Model		
VRP000	246.3	236.3	VRP056	270.6	260.6	VRP112	294.9	284.9	
VRP001	246.7	236.7	VRP057	271.0	261.0	VRP113	295.4	285.4	
VRP002 VRP003	247.1 247.6	237.1	VRP058	271.5	261.5	VRP114	295.8	285.8	
			VRP059	271.9	261.9	VRP115	296.2	286.2	
VRP004 VRP005	248.0 248.4	238.0 238.4	VRP060	272.3	262.3	VRP116	296.7 297.1	286.7	
VRP006	248.9	238.9	VRP061 VRP062	272.8 273.2	262.8 263.2	VRP117 VRP118	297.5	287.1 287.5	
VRP007	249.3	239.3	VRP063	273.6	263.6	VRP119	298.0	288.0	
VRP008	249.7	239.7	VRP064	274.1	264.1	VRP120	298.4	288.4	
VRP009	250.2	240.2	VRP065	274.1	264.5	VRP121	298.8	288.8	
VRP010	250.2	240.2	VRP066	274.9	264.9	VRP121	299.3	289.3	
VRP010	250.0	240.0	VRP067	274.9	265.4	VRP123	299.7	289.7	
VRP011	251.0	241.5	VRP068	275.4	265.8	VRP123	300.1	290.1	
VRP012	251.9	241.9	VRP069	276.2	266.2	VRP125	300.6	290.1	
VRP014	252.4	242.4	VRP070	276.7	266.7	VRP126	301.0	291.0	
VRP015	252.8	242.8	VRP071	277.1	267.1	VRP127	301.4	291.4	
VRP016	253.2	243.2	VRP072	277.5	267.1	VRP128	301.9	291.4	
VRP017	253.7	243.7	VRP073	278.0	268.0	VRP129	302.3	292.3	
VRP018	254.1	244.1	VRP074	278.4	268.4	VRP130	302.7	292.7	
VRP019	254.5	244.5	VRP075	278.9	268.9	VRP131	303.2	293.2	
VRP020	255.0	245.0	VRP076	279.3	269.3	VRP132	303.6	293.6	
VRP021	255.4	245.4	VRP077	279.7	269.7	VRP133	304.0	294.0	
VRP022	255.8	245.8	VRP078	280.2	270.2	VRP134	304.5	294.5	
VRP023	256.3	246.3	VRP079	280.6	270.6	VRP135	304.9	294.9	
VRP024	256.7	246.7	VRP080	281.0	271.0	VRP136	305.3	295.3	
VRP025	257.1	247.1	VRP081	281.5	271.5	VRP137	305.8	295.8	
VRP026	257.6	247.6	VRP082	281.9	271.9	VRP138	306.2	296.2	
VRP027	258.0	248.0	VRP083	282.3	272.3	VRP139	306.7	296.7	
VRP028	258.4	248.4	VRP084	282.8	272.8	VRP140	307.1	297.1	
VRP029	258.9	248.9	VRP085	283.2	273.2	VRP141	307.5	297.5	
VRP030	259.3	249.3	VRP086	283.6	273.6	VRP142	308.0	298.0	
VRP031	259.7	249.7	VRP087	284.1	274.1	VRP143	308.4	298.4	
VRP032	260.2	250.2	VRP088	284.5	274.5	VRP144	308.8	298.8	
VRP033	260.6	250.6	VRP089	284.9	274.9	VRP145	309.3	299.3	
VRP034	261.0	251.0	VRP090	285.4	275.4	VRP146	309.7	299.7	
VRP035	261.5	251.5	VRP091	285.8	275.8	VRP147	310.1	300.1	
VRP036	261.9	251.9	VRP092	286.2	276.2	VRP148	310.6	300.6	
VRP037	262.3	252.3	VRP093	286.7	276.7	VRP149	311.0	301.0	
VRP038	262.8	252.8	VRP094	287.1	277.1	VRP150	311.4	301.4	
VRP039	263.2	253.2	VRP095	287.5	277.5	VRP151	311.9	301.9	
VRP040	263.6	253.6	VRP096	288.0	278.0	VRP152	312.3	302.3	
VRP041	264.1	254.1	VRP097	288.4	278.4	VRP153	312.7	302.7	
VRP042	264.5	254.5	VRP098	288.8	278.8	VRP154	313.2	303.2	
VRP043	264.9	254.9	VRP099	289.3	279.3	VRP155	313.6	303.6	
VRP044	265.4	255.4	VRP100	289.7	279.7	VRP156	314.0	304.0	
VRP045	265.8	255.8	VRP101	290.1	280.1	VRP157	314.5	304.5	
VRP046	266.3	256.3	VRP102	290.6	280.6	VRP158	314.9	304.9	
VRP047	266.7	256.7	VRP103	291.0	281.0	VRP159	315.3	305.3	
VRP048	267.1	257.1	VRP104	291.4	281.4	VRP160	315.8	305.8	
VRP049	267.6	257.6	VRP105	291.9	281.9	VRP161	316.2	306.2	
VRP050	268.0	258.0	VRP106	292.3	282.3	VRP162	316.6	306.6	
VRP051	268.4	258.4	VRP107	292.8	282.8	VRP163	317.1	307.1	
VRP052	268.9	258.9	VRP108	293.2	283.2	VRP164	317.5	307.5	
VRP053	269.3	259.3	VRP109	293.6	283.6	VRP165	317.9	307.9	
VRP054	269.7	259.7	VRP110	294.1	284.1	VRP166	318.4	308.4	
VRP055	270.2	260.2	VRP111	294.5	284.5	VRP167	318.8	308.8	

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (2/2)

conversion cha			oltage values fo	or the 50-inch and	43-inch models	
Command Voltage [V]			Command	Voltage [V]		
	50-inch Model	43-inch Model	Command	50-inch Model 43-inch Mo		
VRP168	319.2	309.2	VRP224	343.6	333.6	
VRP169	319.7	309.7	VRP225	344.0	334.0	
VRP170	320.1	310.1	VRP226	344.4	334.4	
VRP171	320.6	310.6	VRP227	344.9	334.9	
VRP172	321.0	311.0	VRP228	345.3	335.3	
VRP173	321.4	311.4	VRP229	345.7	335.7	
VRP174	321.9	311.9	VRP230	346.2	336.2	
VRP175	322.3	312.3	VRP231	346.6	336.6	
VRP176	322.7	312.7	VRP232	347.1	337.1	
VRP177	323.2	313.2	VRP233	347.5	337.5	
VRP178	323.6	313.6	VRP234	347.9	337.9	
VRP179	324.0	314.0	VRP235	348.4	338.4	
VRP180	324.5	314.5	VRP236	348.8	338.8	
VRP181	324.9	314.9	VRP237	349.2	339.2	
VRP182	325.3	315.3	VRP238	349.7	339.7	
VRP183	325.8	315.8	VRP239	350.1	340.1	
VRP184	326.2	316.2	VRP240	350.5	340.5	
VRP185	326.6	316.6	VRP241	351.0	341.0	
VRP186	327.1	317.1	VRP242	351.4	341.4	
VRP187	327.5	317.5	VRP243	351.8	341.8	
VRP188	327.9		VRP244		342.3	
	328.4	317.9		352.3		
VRP189		318.4	VRP245	352.7	342.7	
VRP190	328.8	318.8	VRP246	353.1	343.1	
VRP191	329.2	319.2	VRP247	353.6	343.6	
VRP192	329.7	319.7	VRP248	354.0	344.0	
VRP193	330.1	320.1	VRP249	354.4	344.4	
VRP194	330.5	320.5	VRP250	354.9	344.9	
VRP195	331.0	321.0	VRP251	355.3	345.3	
VRP196	331.4	321.4	VRP252	355.7	345.7	
VRP197	331.8	321.8	VRP253	356.2	346.2	
VRP198	332.3	322.3	VRP254	356.6	346.6	
VRP199	332.7	322.7	VRP255	357.0	347.0	
VRP200	333.2	323.2				
VRP201	333.6	323.6				
VRP202	334.0	324.0				
VRP203	334.5	324.5				
VRP204	334.9	324.9				
VRP205	335.3	325.3				
VRP206	335.8	325.8				
VRP207	336.2	326.2				
VRP208	336.6	326.6				
VRP209	337.1	327.1				
VRP210	337.5	327.5				
VRP211	337.9	327.9				
VRP212	338.4	328.4				
VRP213	338.8	328.8				
VRP214	339.2	329.2				
VRP215	339.7	329.7				
VRP216	340.1	330.1				
	340.5	330.5				
VRP217						
	341.0	331.0				
VRP217 VRP218						
VRP217 VRP218 VRP219	341.4	331.4				
VRP217 VRP218 VRP219 VRP220	341.4 341.8	331.4 331.8				
VRP217 VRP218 VRP219	341.4	331.4				

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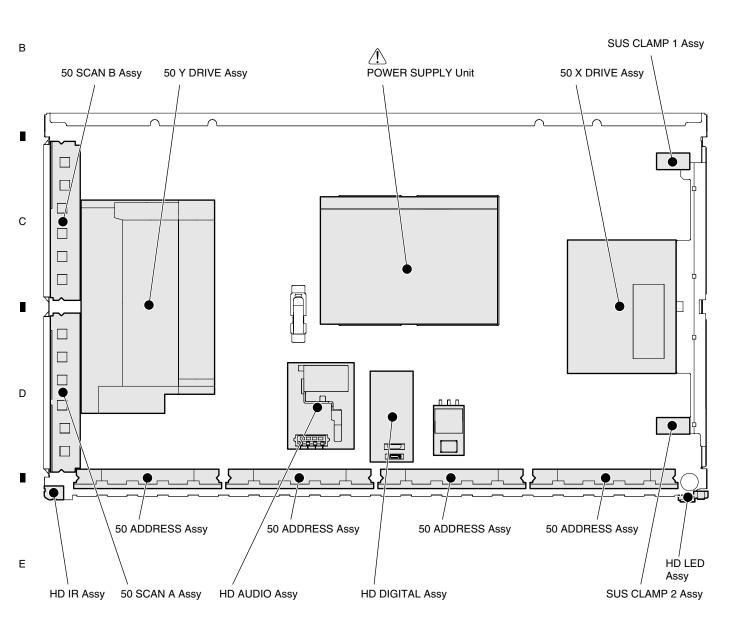
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7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 PCB LOCATION



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7.1.2 DIAGNOSIS OF SHUTDOWN/POWER-DOWN INDICATED BY LEDS

• Operation statuses indicated by LEDs

Status				LED Pattern
Standby	1	Lit in Red	Blue Red	
Power ON	2	Lit in Blue	Blue Red	
AC Power OFF of one side	3	Red flashes (1000ms)	Blue Red	1000ms
System cable disconnection	4	Red and blue flash (1000ms)	Blue Red	1000ms 1000ms
Power-down	5	Red flashes (500+2500ms)	Blue Red	Once Twice 2.5s Once 500ms
Shutdown	6	Blue flashes (500+2500ms)		500ms Once Twice Once 2.5s Once
No backup copy	7	Lit in Red and blue flashes (200ms)	Blue Red	200ms

: Lit in Red LED
: Lit in Blue LED

• PD (power-down) count

1	Not used
2	POWER SUPPLY Unit
3	SCAN Assy
4	5V power supply for SCAN
5	Y-DRIVE (Not used)
6	DCDC for Y drive
7	Y-SUS
8	ADDRESS Assy
9	X-DRIVE
10	DCDC for X drive
11	X-SUS
12	Not used
13	Sequence drive stop
14	Not used
15	UNKNOWN

• SD (shut down) count

1	SEQUENCE PROCESSOR (SQ_IC)
2	MDU-IIC
3	RST2 abnormality
4	Panel high temperature
5	Speaker short-circuit *

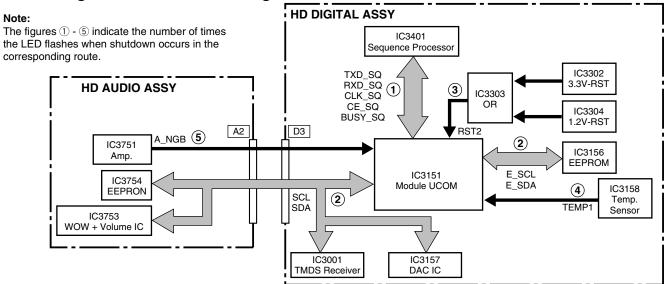
* When a jumper (J105) between the HD AUDIO Assy and the POWER SUPPLY Unit is disconnected, the SD LED flashes five times in this manner.

Note:

- When a shutdown occurs, a warning will be issued by the Media Receiver and displayed, then the power will be shut off.
- When a shutdown or power-down occurs on the Panel side, the Media Receiver will enter Standby mode (the red LED will light).

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• Diagnosis of shutdown

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Number of flashes	SD Circuit in Operation	Defective Assy	Reason for Shutdown	Point to be Checked	Possible Defective Part	Remarks
			Communication failure of IC3401	SQ ASIC BLOCK, PANEL FLASH BLOCK	IC3401, IC3301	
1 time	Communication failure of the driving processor	HD DIGITAL	Writing failure of IC3401			Check if version data can be read, using the "GS1" command, after the power is turned on again.
		HD DIGITAL	Communication failure of the EEPROM (for	MODULE UCOM BLOCK	IC3156, IC3157	
			retaining 4-Kbyte of data)	TMDS BLOCK	IC3001	
2 times	Communication failure of the IIC line (Check the SD subcategory on	HD AUDIO	Communication failure of the EEPROM (2-kbyte : for backup)	AUDIO AMP BLOCK	IC3754	
	the Factory Menu.)		Disconnection of connectors	A2 - D3		Check if the connectors are disconnected or are not connected securely.
			Defective volume IC	HD AUDIO Assy	IC3753	
		HD DIGITAL	Defective DC-DC converter	DIGITAL DD CON BLOCK	U3601	Check if 3.3-V and 1.2-V power supplies are activated.
3 times	Power failure of the driving		Defective RST IC	PANEL FLASH BLOCK	IC3302 - IC3304	
	processor (RST2)		Defective IC3401	SQ ASIC BLOCK	IC3401	
		POWER SUPPLY	The 8-V power supply is not activated.			Check if the 8-V power is supplied at Pin 1 of the D11 connector.
4 times	Abnormally high temperature of the panel		Abnormally high temperature of the panel	Ambient temperature		The Panel will be shut down if the sensor detects temperature of 75°C or higher (for the PDP-436P/-506P).
			Speakers' grounding fault	Speaker terminals		Check if the speaker cables are in contact with the chassis, etc.
5 times	Audio failure	HD AUDIO	Defective AMP IC	HD AUDIO Assy	IC3751	
		HD AUDIO	Disconnection of connectors	A1 - P5		Check if the connectors are disconnected or are not connected securely.

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OVP : OVER VOLTAGE PROTECT UVP : UNDER VOLTAGE PROTECT

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■ Top screen of the Factory Menu for the main unit

MR INFORMATION

< MUTE > key

FUNC. CHECK

< MUTE > key

COMMON ADJ.

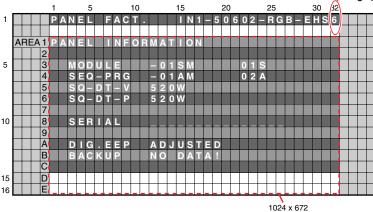
< MUTE > key
PANEL FACTORY

< SET > key

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Top screen of the Panel Factory

If a Panel of Generation 6 is connected, "6" is indicated here.



Note: With this model, the structure of Factory mode has been changed, and all items related to the Panel are gathered into PANEL FACTORY mode.

Note: On-screen displays in Factory mode are indicated in white characters on a green background for the PDP-506HD/436HD and subsequent models.

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■ Configuration of Panel Factory mode

No.	Submode Name	Adjustable Range	Remarks
INO.	Submode Items	Aujustable natige	nemarks
1	PANEL INFORMATION		
2	PANEL WORKS		
3	POWER DOWN		
4	SHUT DOWN		
5	PANEL-1 ADJ (+)		
5-1	X-SUS B <=>	120 to 136	Equivalent to XSB
5-2	Y-SUS B <=>	120 to 136	Equivalent to YSB
5-3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
5-4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5-5	XY-RST W <=>	120 to 136	Equivalent to RSW
5-6	VOL SUS <=>	000 to 255	Equivalent to VSU
5-7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
5-8	VOL RST P <=>	000 to 255	Equivalent to VRP
5-9	SUS FREQ. <=>	MODE1 to MODE8	Equivalent to SFR
6	PANEL-2 ADJ (+)		
6-1	R-HIGH <=>	000 to 511	Equivalent to PRH
6-2	G-HIGH <=>	000 to 511	Equivalent to PGH
6-3	B-HIGH <=>	000 to 511	Equivalent to PBH
6-4	R-LOW <=>	000 to 999	Equivalent to PRL
6-5	G-LOW <=>	000 to 999	Equivalent to PGL
6-6	B-LOW <=>	000 to 999	Equivalent to PBL
6-7	ABL <=>	000 to 255	Equivalent to ABL
7	PANEL REVISE		
7-1	R-LEVEL <=>	LV-0 to LV-7	Equivalent to RRL
7-2	G-LEVEL <=>	LV-0 to LV-7	Equivalent to RGL
7-3	B-LEVEL <=>	LV-0 to LV-7	Equivalent to RBL
8	ETC (+)		
8-1	BACKUP DATA <=>	NO OPRT<=>TRANSFER or ERR	Equivalent to BCP
8-2	DIGITAL EEPROM <=>	NO OPRT<=>DELETE/REPAIR	Equivalent to FAJ/UAJ
8-3	PD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPD
8-4	SD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CSD
8-5	HR-MTR INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CHM
8-6	PM/B1-B5 <=>	NO OPRT <=>CLEAR	Equivalent to CPM
8-7	P-COUNT INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPC
9	MASK SETUP (+)		
9-1	MASK OFF		Equivalent to MKS+S00
9-2	SGL MASK 01 <=>		Equivalent to MKS+S01
9-3	SGL MASK 02 <=>		Equivalent to MKS+S02
	•••	<pre><=>V48<=>V50<=>V60<=>P60<=>P70<=>V72<=>V75<=> (Select each sequence.)</pre>	•••
9-62	CMB MASK 08 <=>		Equivalent to MKC+S08
9-63	CMB MASK 09 <=>		Equivalent to MKC+S09

В

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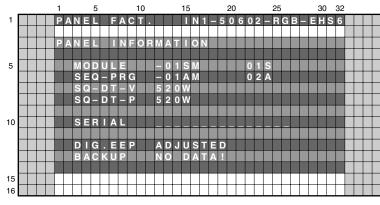
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■ Details on submodes related to the panel

The GUI display examples here are those displayed when the main unit is used with the 50-inch model.

1. PANEL INFORMATION



■ Key operation

<DOWN> : Shifting to PANEL WORKS <UP> : Shifting to MASK SETUP (+)

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

The version of the microcomputer of the panel, serial number of the main unit, adjustment values of the main unit, and backup status are displayed.

2. PANEL WORKS

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- The data from the pulse meter for each block from PM-B1 to PM-B5 are indicated. The values stored in the EEPROM (3 bytes each) are each converted into a decimal number, and the higher-order 8 digits are displayed (that means that the lowest-order digit represents millions).
- TEMP1: Indicates the temperature of the panel. By your pressing the L or R key, the temperature value can be updated.

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3. POWER DOWN

■ Key operation

<DOWN> : Shifting to SHUTDOWN <UP> : Shifting to PANEL WORKS

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

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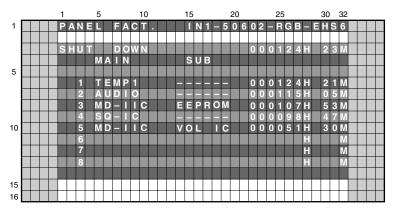
Ε

• Basically, data acquired with the command QPD are displayed in the columns "1ST" and "2ND, with the values from the hour meter when the power-down occurred.

<Causes of power-down and corresponding OSD indications>

Cause of power-down	OSD Indication	Cause of power-down	OSD Indication
POWER SUPPLY Unit	P-PWR	ADDRESS Assy	ADRS
SCAN Assy	SCAN	X-DRIVE Assy	X-DRV
5V power for SCAN	SCN5V	DCDC for X drive	X-DCDC
Not used		X-SUS	X-SUS
DCDC for Y drive	Y-DCDC	Sequence drive stopped	SQ-NON
Y-SUS	Y-SUS	Specification inability	UNKNOW

4. SHUT DOWN



■ Key operation

<DOWN> : Shifting to PANEL-2ADJ (+) <UP> : Shifting to POWER DOWN

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

• Basically, data acquired with the command QSD (for MDU-IIC, subcategory data are also displayed) are displayed with the values from the hour meter when the shutdown occurred.

<Causes of shutdown and corresponding OSD indications>

Cause of shutdown (main)	OSD Indication
SEQUENCE PROCESSOR	SQ-IC
MDU-IIC	MDU-IIC (with subcategory)
Abnormality in RST2	RST2
Panel having high temperature	TEMP1
Short-circuited speaker	AUDIO

Cause of shutdown (sub)	OSD Indication		
EEPROM	EEPROM (IC3156)		
BACKUP	BACKUP (IC3754)		
DAC	DAC (IC3302 to IC3304)		
Audio IC	VOL-IC (IC3158)		
DVI	DVI		

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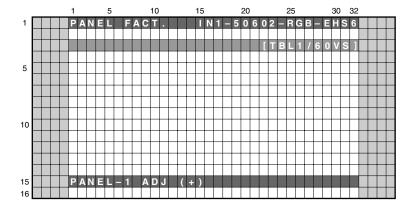
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5. PANEL-1 ADJ

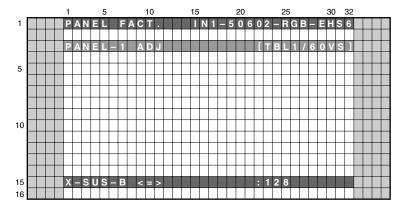
В



■ Key operation

<DOWN> : Shifting to PANEL-2 ADJ (+) <UP> : Shifting to POWER DOWN <SET> : Shifting to the next nested layer

<SEL> : MASK ON/OFF



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Drive-sequence indications and indications for the ABL/WB tables> (The OSD indications are displayed at the right part of the third line for submode PANEL-1 ADJ and subsequent submodes.)

Type of WB/ABL Tables		Type of Drive Sequences						
		Standard Video/MASK ON		Nonstandard Video		PC		
TBL1		48VS				60PS	Not used for consumer products	
TBL2		50VS		50VN		70PS		
TBL3		60VS		60VN				
TBL4		72VS	Only Mask indication					
		75VS		75VN				

<Lower-layer items of PANEL-1 ADJ>

No.	Items	Adjustment/Setting Value	Remarks
1	X-SUS B <=>	120 to 136	Equivalent to XSB
2	Y-SUS B <=>	120 to 136	Equivalent to YSB
3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5	XY-RST W <=>	120 to 136	Equivalent to RSW
6	VOL SUS <=>	000 to 255	Equivalent to VSU
7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
8	VOL RST P <=>	000 to 255	Equivalent to VRP
9	SUS FREQ. <=>	<=>MODE1 to MODE8<=>	Equivalent to SFR

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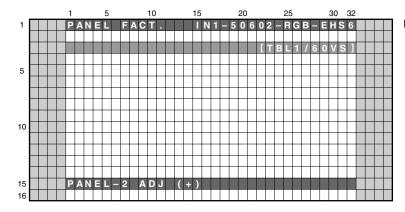
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6. PANEL-2 ADJ

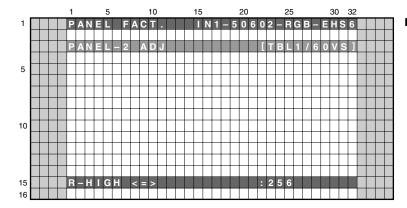


■ Key operation

<DOWN> : Shifting to PANEL REVISE <UP> : Shifting to PANEL-1 ADJ (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item
<UP> : Shifting to the previous item
<RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of PANEL-2 ADJ>

No.	Items	Adjustment/Setting Value	Remarks
1	R-HIGH <=>	000 to 511	Equivalent to PRH
2	G-HIGH <=>	000 to 511	Equivalent to PGH
3	B-HIGH <=>	000 to 511	Equivalent to PBH
4	R-LOW <=>	000 to 999	Equivalent to PRL
5	G-LOW <=>	000 to 999	Equivalent to PGL
6	B-LOW <=>	000 to 999	Equivalent to PBL
7	ABL <=>	000 to 255	Equivalent to ABL

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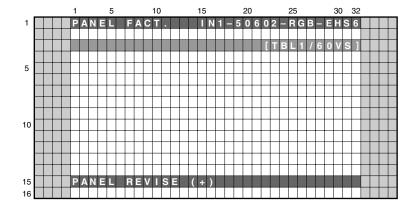
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7. PANEL REVISE

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■ Key operation

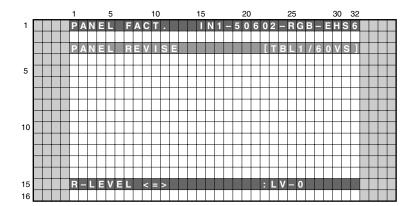
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<DOWN> : Shifting to ETC.(+)

<UP> : Shifting to PANEL-2 ADJ (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

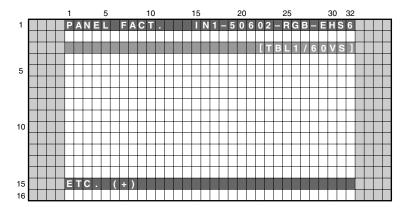
<Lower-layer items of PANEL REVISE>

No.	Items	Adjustment/Setting Value	Remarks		
1	R-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RRL		
2	G-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RGL		
3	B-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RBL		

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8. ETC.

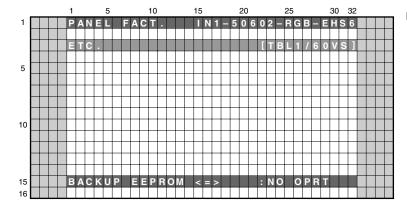


■ Key operation

<DOWN> : Shifting to MASK SETUP (+) <UP> : Shifting to PANEL REVISE (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

: Subtracting by one from the <LEFT>

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of ETC.>

No.	Items	Adjustment/Setting Value	Remarks
1	BACKUP DATA <=>	<=>NO OPRT<=>TRANSFER<=>	"ERR" is indicated when no data are in the backup EEPROM. To activate the option to select TRANSFER, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)
2	DIGITAL EEPROM <=>	<=>NO OPRT<=>REPAIR/DELETE<=>	"DELETE" is indicated when the main unit has been already adjusted. To activate the option to select REPAIR/DELETE, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)
3	PD INFO. <=>	<=>NO OPRT<=>CLEAR<=>	
4	SD INFO. <=>	<=>NO OPRT<=>CLEAR<=>	To activate the option to select CLEAR, repeatedly
5	HR-MTR INFO. <=>	<=>NO OPRT<=>CLEAR<=>	press the SET key about 5 seconds.
6	PM/B1-B5 <=>	<=>NO OPRT<=>CLEAR<=>	(There is a situation resting more than 5 seconds.)
7	P-COUNT INFO. <=>	<=>NO OPRT<=>CLEAR<=>	

- "NO OPRT" is selected when this submode is entered (to avoid accidental misoperation).
- When each item is set, the process starts then the unit shifts to the upper layer. (When NO OPRT is determined, the unit will shift to the upper layer without doing anything.)
- When data are set to be backed up, if the digital EEPROM has not been adjusted, do the operation of LED pattern No. 7.

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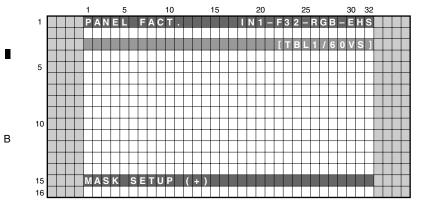
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9. MASK SETUP

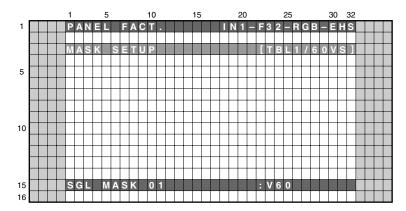


■ Key operation

<DOWN> : Shifting to PANEL INFORMATION

<UP> : Shifting to ETC. (+) <SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next MASK <UP> : Shifting to the previous MASK <RIGHT> : Changing MASK sequence (+) <LEFT> : Changing MASK sequence (-) <SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of MASK SETUP>

No.	Items	Adjustment/Setting Value	Remarks
1	MASK OFF		Equivalent to MKS+S00
2	SGL MASK 01 <=>		Equivalent to MKS+S01
3	SGL MASK 02 <=>	<=>48V<=>50V<=>60V<=>	Equivalent to MKS+S02
4	•••	60P<=>70P<=>72V<=>75V<=>	•••
5	CMB MASK 09 <=>		Equivalent to MKC+S08
6	CMB MASK 10 <=>		Equivalent to MKC+S09

• With the keys <LEFT> and <RIGHT>, the Panel drive sequence in the MASK indication is changed in the following way: <=>48V<=>50V<=>60V<=>72V<=>75V<=>60P<=>70P<=>

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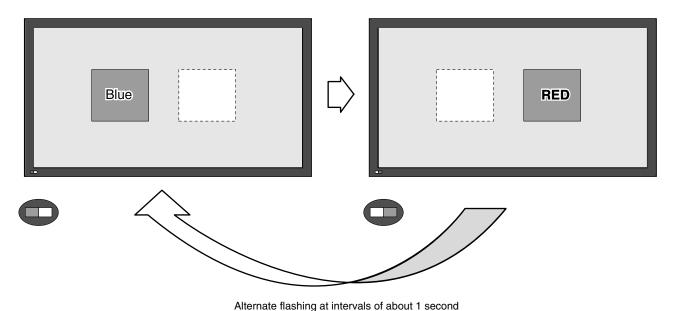
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7.1.4 OPERATION WHEN THE MEDIA RECEIVER IS NOT CONNECTED

As the connection conditions of the system cables (MDR cable, DVI cable) are usually detected, if no connection, such as cable disconnection, is detected, a warning indication (alternate flashing of the red and blue areas) is displayed on the mask screen, and the red and green LEDs flash alternately. Then after about 30 seconds, the power is automatically turned off.



Alternate hashing at intervals of about 1 second

To operate the panel without the Media Receiver, there are the following two ways:

1. Operation-without-the-Media-Receiver mode

Input the "SYS S00" RS232C command. The status of the LEDs changes to that in normal operation mode.

Note: Turning the AC switch to OFF then ON also maintains this mode. However, once the unit is connected with the Media Receiver using the System cable, this mode is automatically canceled.

2. DVI mode

Turn the unit on while DVI SG signals are being input with only the DVI connecter connected. After a warning is displayed for about 5 seconds, the unit is ready to display the screen of the input signal. (Blue LED lit)

Notes: • Although the output from XGA (43 inch) and WXGA (50 inch) can be input to the unit, this is not a mode open to general users. (With some signals, errors such as power-down may occur.)

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7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM

Function: To prevent a power-down from being generated, operation of only the digital-signal processing and audio circuits are enabled, and power is not supplied to the panel driving system (large-signal system).

Usages: 1. In a case where a check is required of signals' being correctly output to the driving systems during a repair, etc.

2. In a case where diagnosis is required for judging whether the power to the large-signal system or small-signal system has been down when a power-down occurred

Methods: 1. Short-circuit the points (see Fig. 4 below) on the face and on the reverse side of the HD DIGITAL Assy.

2. Issue the "DRV S00" RS-232C command. (Command for turning the function off: DRV S01)

Notes: • When the power to the large-signal system is off, as the PD signal is muted, power-downs other than PS_PD are not activated.

• As soon as the clips are removed while the power to the large-signal system is off, a power-down will occur. Be sure to turn the power off before removing the clips.

• While this function is activated with RS-232C commands, it is possible to issue "DRV S01" (for turning the function off) while the power is on. However, as it may damage the unit, turn the power off before issuing the "DRV S01" command.

 Although the "DRV S00/S01" RS-232C commands are valid during Standby mode, once the main power is turned off, the unit will return to "DRV S01."

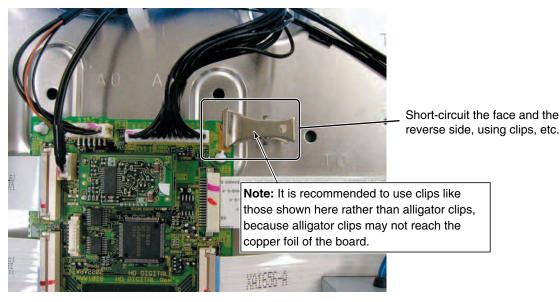


Fig. 4 Position of DRIVE OFF

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7.1.6 BACKUP WHEN THE MAIN UNIT IS ADJUSTED

Outline

Adjustment data set at the factory are stored in the EEPROM (IC****/4K) on the HD DIGITAL Assy. Those adjustment data are automatically backed up in the EEPROM (backup EEPROM: IC****) on the HD AUDIO Assy. Therefore, even if the HD DIGITAL Assy is replaced, the adjustment data can be restored by copying the backup data, which enables you to omit newly performing adjustments on the main unit.

Data to be backed up

- Voltage margin adjustment values
- Data on the hour meter
- Upper limit of power-adjustment value
- Data on the pulse meter
- Panel WB adjustment values
- Serial number
- Drive waveform adjustment values
- Data of the P-ON counter
- PD/SD histories

How to copy the backup data

1. When the HD DIGITAL Assy is replaced with that for service (normal servicing) (In a case where no data are on the DIG. EEP, and backup data have been adjusted)

Command: "BCP" (Effective during FAY) Factory Menu

> PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT >> (right) BACKUP DATA: TRANSFER

[set] (Press and hold for 5 seconds.)

- After the HD DIGITAL Assv is replaced with that for service, check that "DIG. EEP: NO DATA!" is displayed on the Panel Information screen of the Factory Menu.
- If this command is not executed, the red LED lights, and the blue LED flashes, to warn you that copying of the backup adjustment data for the main unit failed.
- If both the HD DIGITAL Assy and HD AUDIO Assy are to be replaced, first replace the HD AUDIO Assy and set the unit to Standby mode. Then replace the HD DIGITAL Assy.

2. In a case where a HD DIGITAL Assy that was mounted on another unit is to be reused as a service part.

Command: "FAJ" (Effective during FAY)

Factory Menu: PANEL FACT => ETC => DIGITAL EEPROM: DELETE

PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT ▼ (down)

• If the HD DIGITAL Assy of Unit 1 is mounted to be reused in Unit 2 to be repaired, and Unit 2 enters Standby mode, the adjustment data and histories stored in Unit 1 are erased, and those of Unit 2 are copied. Once overwritten, the original data will not be restored. After the Assy is replaced, be sure to enter Factory mode, using the remote control unit for servicing, and perform the procedures described herein. Or, before mounting an Assy to be reused as a service Assy, perform these procedures then mount it on the product to be repaired.

DIGITAL EEPROM: NO OPRT >> (right)

DIGITAL EEPROM: REPAIR

[set] (Press and hold for 5 seconds.)

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3. In a case where the HD DIGITAL Assy is replaced with one for servicing because of a defective EEPROM on the original Assy and manual adjustments are to be performed (In a case where no data are stored in the HD DIGITAL Assy or as backup, and the values that have been manually adjusted on Service Menu are to be applied as adjustment data for the main unit) Command: "UAJ" (Effective during FAY) Factory Menu PANEL INFORMATION ▼ (down) В ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT ▼ (down) DIGITAL EEPROM: NO OPRT >> (right) DIGITAL EEPROM: REPAIR [set] (Press and hold for 5 seconds.) • If the HD DIGITAL Assy with which adjustment data for the main unit have been copied is mounted, the above procedures are not necessary after manual adjustment. (The indication "DIGITAL EEPROM: REPAIR" will not be displayed.)

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■ Clearing data on various histories when the HD DIGITAL Assy is replaced

Other than adjustment data for the main unit, data to be backed up include the accumulated power-on time and a history of defective parts, which are data updated and stored in memory. Among those data, some are required to be cleared when the HD DIGITAL Assy is replaced for servicing, as shown below:

		Т	RS-232C		
Item	Backed-up data	Panel replacement	Replacement of the power-supply block	Others	command
Hour meter	Accumulated display	To be cleared	Not to be cleared	Not to be cleared	СНМ
SD history	Point where an SD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CSD
PD history	Point where a PD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CPD
Pulse meter	Accumulated number of pulses of the Panel (5 blocks)	To be cleared (essential)	Not to be cleared	Not to be cleared	СРМ
Accumulated number of power-ons	Accumulated number of RELAY_ONs	Not to be cleared	To be cleared (essential)	Not to be cleared	CPC

Notes:

1: With the PDP-506P/436P and subsequent models, because various compensation functions use pulse-meter data for calculating compensation values, if related Assys are replaced, data on various histories must be cleared.

2: To clear data using RS-232C commands, after entering Factory mode (by sending FAY or PFY), issue a corresponding command. Otherwise, the command will not be executed.

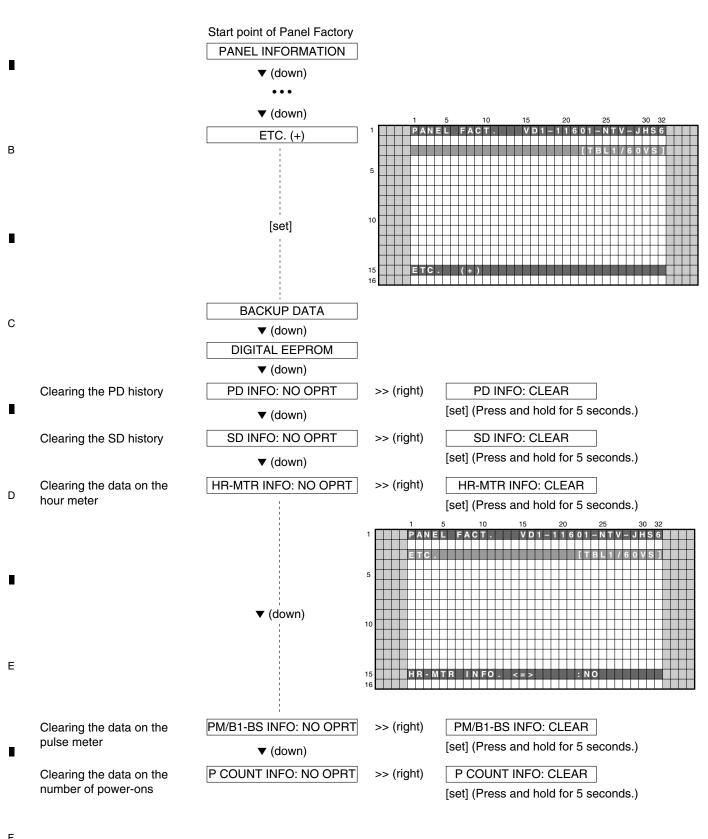
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■ How to clear the history for each item on the Factory Menu



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Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1 Rear Case (506)

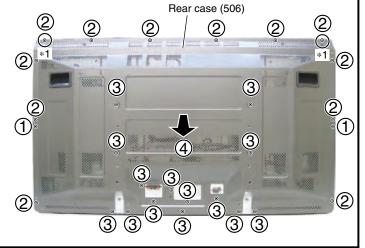
- (1) Remove the two screws.
- (2) Remove the tweleve screws.
- Remove the fourteen screws.

Note *1:

When reassembling, first secure the screws for these holes to position the rear case (506) correctly.

The hole of a left side, the screw tighten the hole of the right side next first.

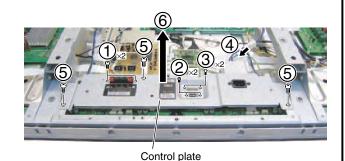
(4) Remove the rear case (506).

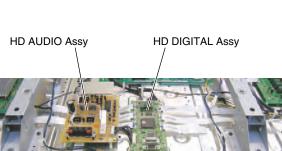




2 Control Plate Section

- 1 Remove the two screws.
- (2) Remove the two screws.
- $\widehat{\mathbf{3}}$ Remove the two hexagon head screws.
- (4) Disconnect the connector.
- (5) Remove the three screws.
- (6) Remove the control plate.







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1 2 3 4

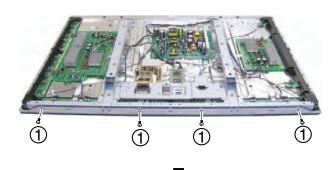
3 Front Case Assy (506PE)

(1) Remove the four screw rivets.

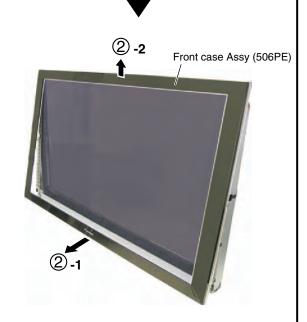
В

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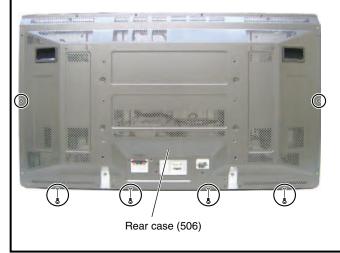
2 Remove the front case Assy (506PE).



When only the front case assy (506PE) is to be removed

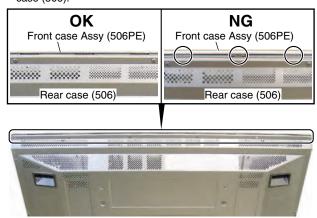
The front case assy (506PE) can be removed without removing the rear case (506) beforehand.

Remove the two screws and four screw rivets shown below:



Note when the front case assy (506PE) is to be reattached

- ① Hook the upper part of the Front Case Assy (506PE) on the upper part of the Front Panel, leaving a fist-sized gap between the bottom and the lower part of the Front Case Assy.
- ② Push the couplers of the Front Case Assy (506PE) into the rear case (506).
- 3 Make sure that all the couplers have been pushed into the rear case (506).





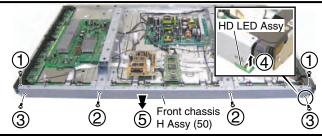
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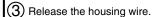
- 1 Remove the two screws.
- (2) Remove the two screws.
- (3) Remove the two screws.
- (4) Disconnect the connector.
- (5) Remove the front chassis H Assy (50).



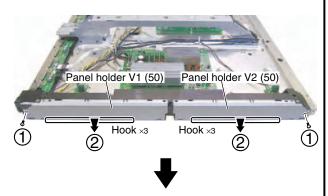


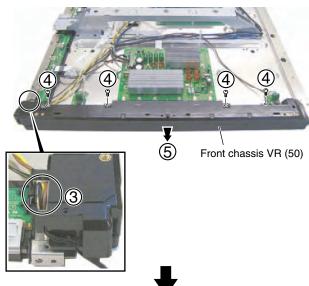
5 SUS CLAMP 1 and 2 Assys

- 1 Remove the two screws.
- Remove the panel holder V1 (50) and V2 (50)s. (Unhook the six hooks.)

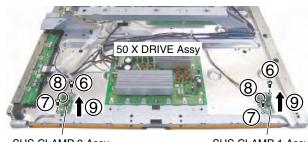


- A Remove the four screws.
- (5) Remove the front chassis VR (50).





- (6) Remove the two screws.
- (7) Remove the two screws.
- ig(8 ig) Unhook the two PCB spacers.
- (9) Remove the SUS CLAMP 1 and 2 Assys.



SUS CLAMP 2 Assy

SUS CLAMP 1 Assy



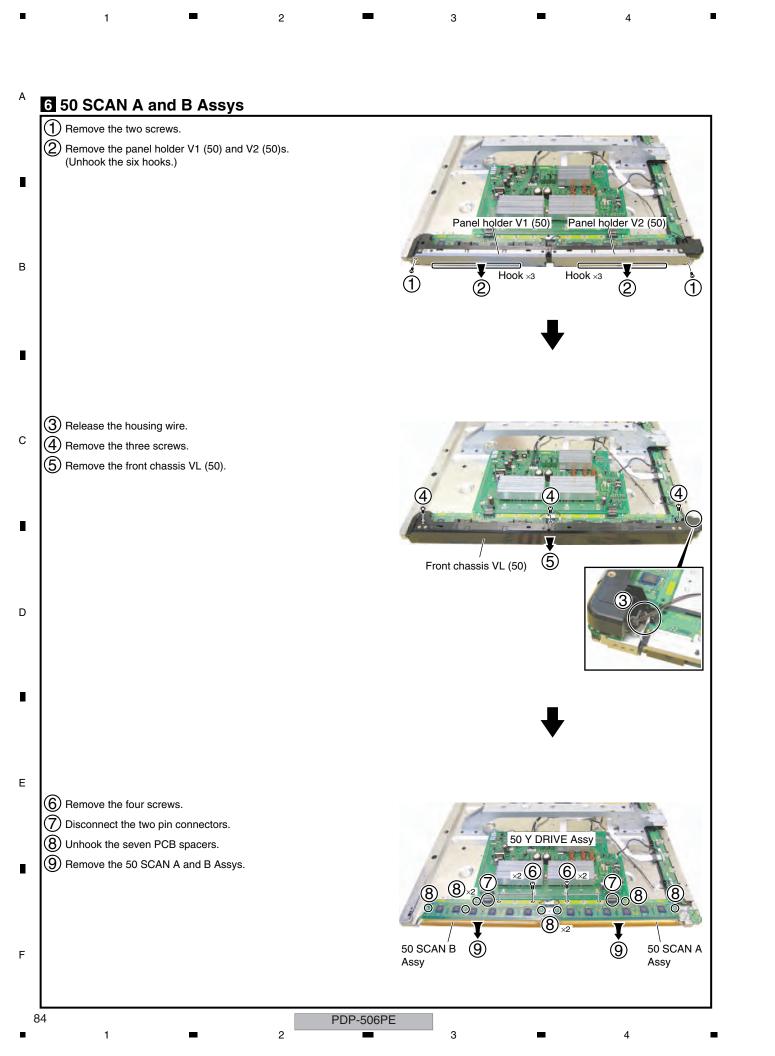
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7.2 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

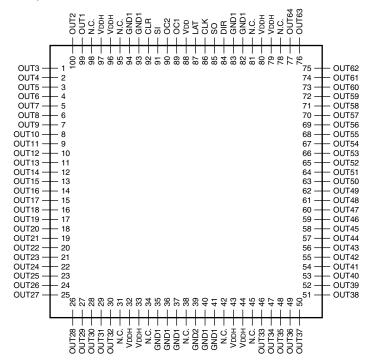
List of IC

AN16025A, TC7SH08FUS1, TC74VHC00FTS1, AXF1140, AXF1142, TC74VHC08FTS1, AXF1141, M62334FP, TC74VHC123AFTS1, PST3610UR, PEG122C, NJW1183L

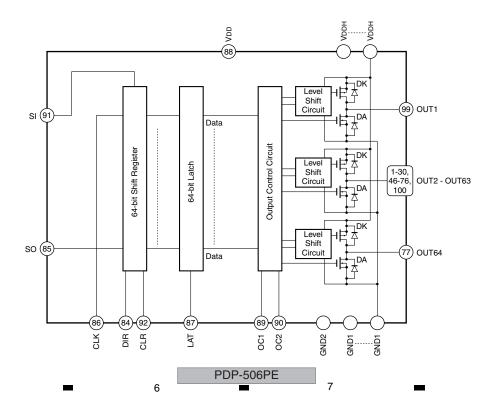
■ AN16025A (50 SCAN A ASSY : IC2701 - IC2706) (50 SCAN B ASSY : IC2801 - IC2806)

• Plasma Display Panel IC

Pin Arrangement (Top view)



Block Diagram



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■ 2 **■** 3 **■** 4

Α

В

С

• Pin Function

	No.	Pin Name	1/0	Pin Function			
Γ	1 - 30	OUT3 - OUT32	0	High-voltage push-pull output			
	31	N.C.	_	Not connected			
	32 - 33	VDDH	_	High-voltage circuit supply			
F	34	N.C.	_	Not connected			
F	35 - 37	GND1	_	Ground			
	38	N.C.	_	Not connected			
	39	GND2	_	Ground			
	40 - 41	GND1	_	Ground			
Γ	42	N.C.	_	Not connected			
F	43 - 44	VDDH	_	High-voltage circuit supply			
Γ	45	N.C.	_	Not connected			
F	46 - 77	OUT33 - OUT64	0	High-voltage push-pull output			
F	78	N.C.	_	Not connected			
F	79 - 80	VDDH	_	High-voltage circuit supply			
F	81	N.C.	_	Not connected			
Γ	82 - 83	GND1	_	Ground			
	84	DIR	I	Setup of shift register shift direction L = Shift into reverse (SO \rightarrow SI) H = Shift forward (SI \rightarrow	SO)		
r	85	SO	I/O	Serial data input / output			
r	86	CLK	L = Shift into reverse (SO → SI) H = Shift forward (SI → SO) Serial data input / output Serial clock input Fetch SI or SO data to shift register by CLK rise edge				je
	87	LAT	I	I/O Serial data input / output I Serial clock input Fetch SI or SO data to shift register by CLK rise edge			
Γ	88	VDD	_	Logic supply			
Γ					OC1	OC2	OUT
1	89	OC1	I		L	L	ALL Hi-Z
L				Output control Control output according to the right	늗	Н	DATA
1				truth value table	뉴	L	ALL L
	90	OC2	I		┝╫	Н	ALL H
F					L''	11	ALLII
╁	91	SI	I/O	Serial data input / output			
F	92	CLR	I	All output reset CLR pin : L → Normal operation CLR p	oin : H -	→ All o	utput High
F	93 - 94	GND1	_	Ground			
\perp	95	N.C.	_	Not connected			
	96 - 97	VDDH	_	High-voltage circuit supply			
	98	N.C.	_	Not connected			
	99 - 100	OUT1 - OUT2	0	High-voltage push-pull output			

Ε

D

F

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PDP-506PE

2 ■ 3 ■ 4

■ TC7SH08FUS1 (50 SCAN B ASSY : IC2807)

• 2-input AND Gate

5

• Pin Arrangement (Top view) / Block Diagram

IN B 1 5 Vcc IN A 2 4 OUT Y

• Truth Table

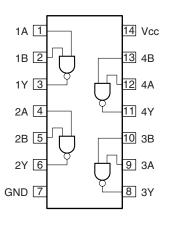
Α	В	Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	Н

■ TC74VHC00FTS1 (50 X DRIVE ASSY : IC1002)

• Quad 2-Input NAND Gate

5

Block Diagram



• Truth Table

Α	В	Υ
L	L	Н
L	Н	Н
Н	L	Н
Н	Н	L

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В

С

D

Ε

F

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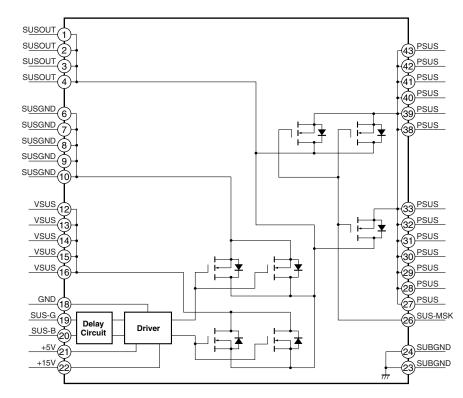
■ AXF1140 (50 X DRIVE ASSY : IC1202)

• X Mask Module

Block Diagram

В

D

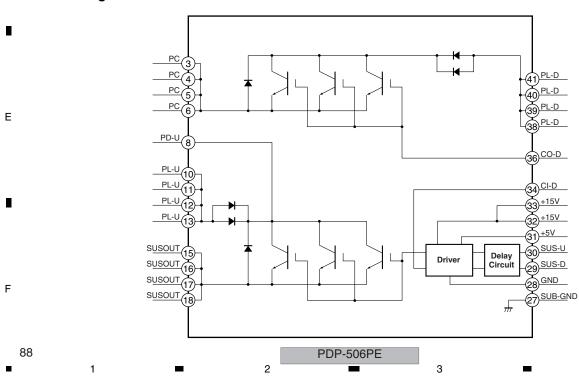


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■ AXF1142 (50 X DRIVE ASSY : IC1101) (50 Y DRIVE ASSY : IC2101)

• DK Module

Block Diagram

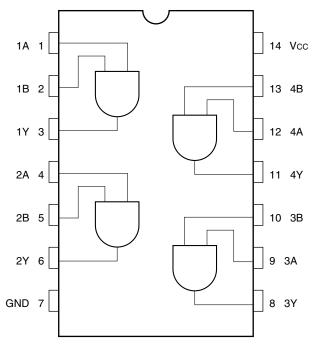


■ TC74VHC08FTS1 (50 Y DRIVE ASSY : IC2003, IC2005)

• Quad 2-input AND Gate

5

• Pin Arrangement (Top view) / Block Diagram



• Truth Table

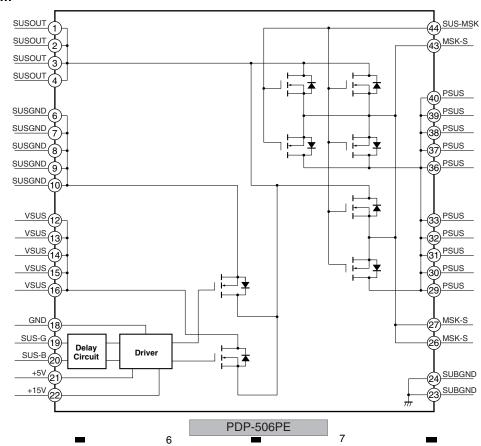
Α	В	Y
L	L	Ш
L	Н	L
Н	L	L
Н	Н	Н

■ AXF1141 (50 Y DRIVE ASSY : IC2252, IC2253)

• Y Mask Module

5

Block Diagram



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8

В

С

D

Ε

■ M62334FP (HD DIGITAL ASSY : IC3157)

• 8-bit 4ch I2C Bus D-A Converter with Buffer Amplifier

• Pin Arrangement (Top view)

AO1 1 8 VCC AO2 2 7 SCL AO3 3 6 SDA AO4 4 5 GND

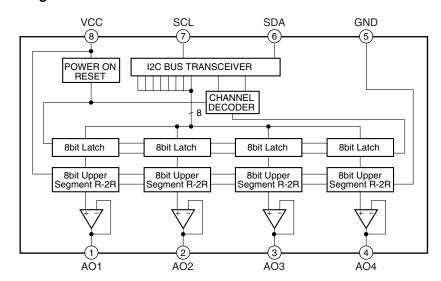
Pin Function

3

No.	Pin Name	Pin Function
1	AO1	
2	AO2	O hit was allution D. A sourcetter suction t
3	AO3	8-bit resolution D-A converter output
4	AO4	
5	GND	Ground
6	SDA	Serial data input
7	SCL	Serial clock input
8	vcc	Power supply

Block Diagram

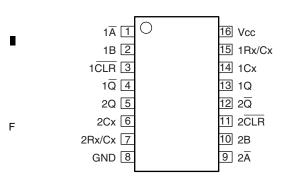
В



■ TC74VHC123AFTS1 (HD DIGITAL ASSY : IC3160)

• Dual Monostable Multivibrator/AFN/AFT Retriggerble

Pin Arrangement (Top view)



• Truth Table

	Inputs	i	Out	puts	Note		
Ā	В	CLR	$Q \overline{Q}$		Note		
7_	Н	Н	Л Т (Output enable		
Х	L	Н	L	Н	Inhibit		
Н	Х	Н	L	Н	Inhibit		
L	L	Н	7	T	Output enable		
L	Η		J	П	Output enable		
Х	Χ	Ĺ	Ĺ	Н	Reset		

X: Don't care

90

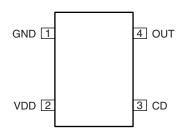
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■ PST3610UR (HD DIGITAL ASSY : IC3304) • Reset IC

• Pin Arrangement (Top view)

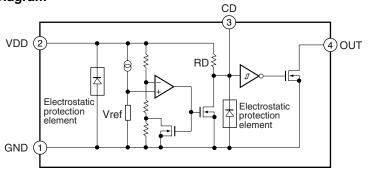
5



• Pin Function

No.	Pin Name	Pin Function
1	GND	Ground
2	VDD	Power supply / Voltage detection
3	CD	Capacitor connect pin for delay
4	OUT	Reset signal output

• Block Diagram



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8

В

С

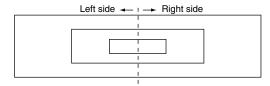
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PDP-506PE

■ PEG122C (HD DIGITAL ASSY : IC3401)
• LSI for PDP video processing (SEQUENCE PROCESSOR)

• Pin Arrangement (Top view)



TXOUTP023 TXCLKOUTP02 TXOUTP022

TXOUTP021

TXOUTP020

ΑE

• Left side (Top view)

•	en side	(TOP VI	ew)										
	1	2	3	4	5	6	7	8	9	10	11	12	13
Α	BAI5	GAI1	GAI4	GAI9	RAI4	RAI9	BBI0	BBI6	GBI1	GBI5	RBI1	RBI7	TRNSEND1
В	BAI4	GAI0	GND33	GAI8	RAI3	RAI8	HDI	BBI5	GBI0	GDN33	RBI0	RBI6	TRNSEND0
С	BAI3	BAI9	VDD33	GAI7	RAI2	RAI7	VDI	BBI4	BBI9	VDD33	GBI9	RBI5	VDD33
D	BAI2	BAI8	GAI3	GAI6	RAI1	RAI6	DEI	BBI3	BBI8	GBI4	GBI8	RBI4	RBI9
Ε	BAI1	BAI7	GAI2	GAI5	RAI0	RAI5	DCLKI	BBI2	BBI7	GBI3	GBI7	RBI3	RBI8
F	BAI0	BAI6	PEAK	APLDT	THEATER	GND12	VDD12	BBI1	VDD12	GBI2	GBI6	RBI2	VDD12
G	XSCAN20	XSCAN19	XSCAN18	XSCAN17	XSCAN16	VDD12					•		
н	XSCAN15	XSCAN14	XSCAN13	XSCAN12	XSCAN11	VDDTC12							
J	XSCAN10	GND33	VDD33	XSCAN9	GNDTC12	VDD12							
Κ	XSCAN8	XSCAN7	XSCAN6	XSCAN5	XSCAN4	VDDTC12							
L	XSCAN3	XSCAN2	XSCAN1	XSCAN0	GND12	VDD12					GND12	GND12	GND12
М	XSUS10	XSUS9	XSUS8	XSUS7	GNDTC12	VDD12					GND12	GND12	GND12
N	XSUS6	GND33	VDD33	XSUS5	GND12	VDD12					GND12	GND12	GND12
Р	XSUS4	XSUS3	XSUS2	XSUS1	XSUS0	VDDTC12					GND12	GND12	GND12
R	ADRS0	ADRS1	ADRS2	ADRS3	GNDTC12	VDD12					GND12	GND12	GND12
Т	TEST_I0	GND33	VDD33	TEST_I1	TEST_I2	TEST_R					GND12	GND12	GND12
U	TXOUTM063	TXOUTP063	GNDLA	VDDLA	GNDLA	VDDL12							
٧	TXCLKOUTM06	TXCLKOUTP06	GNDLA	VDDLA	GNDLA	VDDLA							
W	TXOUTM062	TXOUTP062	GNDLA	VDDLA	GNDLA	VDDLA							
Υ	TXOUTM061	TXOUTP061	GNDLA	VDDLA	GNDLA	VDDL12							
AA	TXOUTM060	TXOUTP060	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA
AB	TXOUTM073	TXOUTP073	GNDLA	VDDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDBG	REFIN
AC	TXCLKOUTM07	TXCLKOUTP07	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA
AD	TXOUTM072	TXOUTP072	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA
												1	1

TXOUTP031 TXOUTP030

TXOUTM033 TXCLKOUTM03 TXOUTM032 TXOUTM031 TXOUTM030 TXOUTM023 TXCLKOUTM02 TXOUTM022

• Right side (Top view)

TXOUTM070 TXOUTP070

TXOUTP071

GNDLA

TXOUTM071

	14	15	16	17	18	19	20	21	22	23	24	25	26
Α	CLKD	VSSPA	EXDI011	EXDI09	EXA4	EXA10	EXA2	EXA16	EXA20	CSCS_N1	CSCS_N2	CSIOSCK1	CSIORXD
В	CSRD_N	VCCPA	EXDI04	GND33	EXA3	EXA9	EXA1	EXA15	EXA19	CSCS_N0	GND33	TCRAM_MONITOR0	TCRAM_MONITOR
С	CLKS	CLK_MONI	EXDI012	VDD33	EXDI00	EXA8	CSWR_N	EXA14	EXA18	UARTRXD	VDD33	TCRAM_MONITOR2	CSIORQ
D	VSSPB	EXDI014	EXDI05	EXDI02	EXDI08	EXA7	EXA0	EXA13	EXA17	UARTTXD	CS10TXD	RESETX	SDIJTAG
Е	VCCPB	EXDI07	EXDI013	EXDI010	EXDI01	EXA6	EXA11	EXA12	CSEXWAIT_N	SDITRST_N	SDITCK	SDIDBI_N	SDITMS
F	LPFMONI	EXDI015	EXDI06	EXDI03	VDD12	EXA5	VDD12	GND12	SDITDO	SDITDI	GP1000	GPI001	GPI002
G								VDD12	GPI003	GPI004	GPI005	GPI006	GPI007
Н								VDDTC12	YSCAN20	YSCAN19	YSCAN18	YSCAN17	YSCAN16
J								VDD12	GNDTC12	YSCAN15	VDD33	GND33	YSCAN14
Κ								VDDTC12	YSCAN13	YSCAN12	YSCAN11	YSCAN10	YSCAN9
L	GND12	GND12	GND12]				VDD12	GND12	YSCAN8	YSCAN7	YSCAN6	YSCAN5
М	GND12	GND12	GND12	1				VDD12	GNDTC12	YSCAN4	YSCAN3	YSCAN2	YSCAN1
N	GND12	GND12	GND12	1				VDD12	GND12	YSCAN0	VDD33	GND33	VSUS10
Р	GND12	GND12	GND12	1				VDDTC12	YSUS9	YSUS8	YSUS7	YSUS6	VSUS5
R	GND12	GND12	GND12	1				VDD12	GNDTC12	YSUS4	YSUS3	YSUS2	VSUS1
Т	GND12	GND12	GND12	1				YSUS0	RSV1	RSV0	VDD33	GND33	AFE_PS_N
U		•						VDDL12	GNDLA	VDDLA	GNDLA	TXOUTP050	TXOUTM050
٧								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP051	TXOUTM051
W								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP052	TXOUTM052
Υ								VDDL12	GNDLA	VDDLA	GNDLA	TXCLKOUTP05	TXCLKOUTM
۱A	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP053	TXOUTM053
۱В	VREF12	GNDBG	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDLA	GNDLA	TXOUTP040	TXOUTM040
٩C	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP041	TXOUTM041
۱D	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	TXOUTP042	TXOUTM042
٩E	TXOUTP013	TXCLKOUTP01	TXOUTP012	TXOUTP011	TXOUTP010	TXOUTP003	TXCLKOUTP00	TXOUTP002	TXOUTP001	TXOUTP000	GNDLA	TXCLKOUTP04	TXCLKOUTMO
٩F	TXOUTM013	TXCLKOUTM01	TXOUTM012	TXOUTM011	TXOUTM010	TXOUTM003	TXCLKOUTM00	TXOUTM002	TXOUTM001	TXOUTM000	GNDLA	TXOUTP043	TXOUTM043

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TXOUTP033 TXCLKOUTP03 TXOUTP032

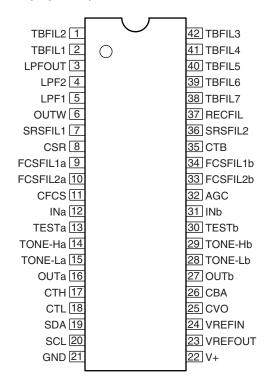
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■ NJW1183L (HD AUDIO ASSY: IC3753)

• FOCUS & SRS IC

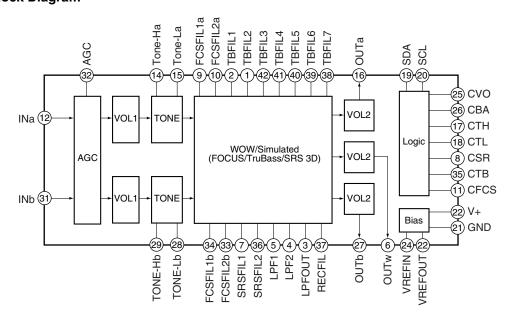
5

Pin Arrangement (Top view)



Block Diagram

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PDP-506PE

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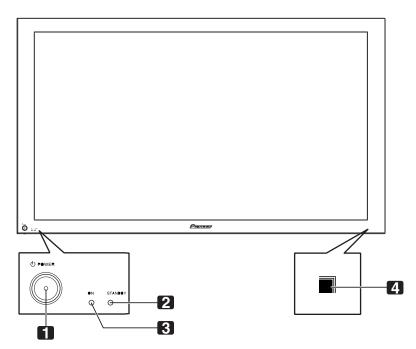
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8. PANEL FACILITIES

Front view



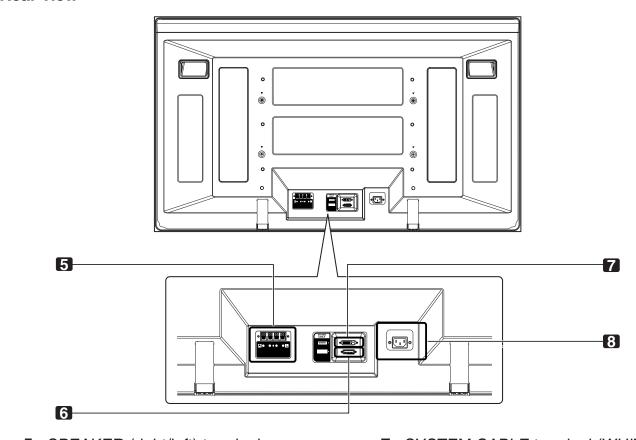
3

- 1 POWER button
- 2 STANDBY indicator

- 3 POWER ON indicator
- 4 Remote control sensor

Rear view

С



- 5 SPEAKER (right/left) terminals
- 6 SYSTEM CABLE terminal (BLACK)
- **7** SYSTEM CABLE terminal (WHITE)
- 8 AC IN terminal

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5 В С D Ε 95 PDP-506PE 5 8

■ Jigs list

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Jig No.	Jig Name	Remarks
GGF1475	Special Communication Device	See to "6.2 RS-232C COMMAND".

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PDP-506PE

Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3275

MEDIA RECEIVER

PDP-R06XE PDP-R06FE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-R06XE	WYVIXK5	AC220-240V	
PDP-R06FE	WYVI5	AC220-240V	
PDP-R06FE	WYVIXK5	AC220-240V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-R06XE, PDP-R06FE	ARP3276	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely you, should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

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This product contains and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety CodeSection 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to evironmental considerations. For disposal or recycling information, please contact your local authoritier of the Electronice Industries Alliance: www.eiae.org.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible — (fusible de type rapide) et/ou — (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

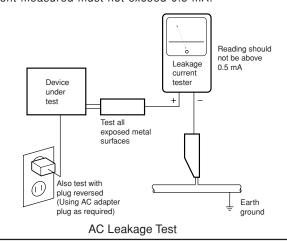
(FOR USA MODEL ONLY) -

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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PDP-R06XE

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1 Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

PDP-R06XE

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1. SPECIFICATIONS

● PDP-R06XE model

	Item		Media Receiver, Model: PDP-R06XE
Colour System		Analogue	PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function Receiving System		Digital	PAL/SECAM PAL/SECAM
TV Function	Receiving System		B/G, D/K, I, L/L'
(Analogue)	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch
		CATV	Hyper-band, S1-S41ch
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort
	STEREO		NICAM/A2
TV Function	Receiving System		DVB-T (2K/8K COFDM)
(Digital)	Tuner VHF/UHF		VHF Band III (170 to 230 MHz) and UHF Band IV, V (470 to 862 MHz)
	Auto Channel Preset		999 ch, Auto Preset, Auto Label, Auto Sort
	STEREO		MPEG layer I/II, Dolby Digital
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2
		INPUT4	HDMI in *2
		Antenna	75 Ω Din Type for VHF/UHF in (Analogue)
			75 Ω Din Type for VHF/UHF in (Digital)
			75 Ω Din Type for VHF/UHF out (Digital)
	Front	INPUT5	S-VIDEO, AV in (Audio input is shared with PC INPUT.)
		PC	Analog RGB in
		PC CARD	PCMCIA Type II
AUDIO OUTPI	UT Terminal	(Rear)	AUDIO out (Fixed)
SUB WOOFER	R OUTPUT Terminal	(Rear)	Variable
PHONES OUT	FPUT Terminal	(Front)	16–32 Ω recommended
DIGITAL OUT	Terminal		Digital audio output (Optical)
COMMON INT	ERFACE	(Rear)	CA Module
Power Require	ement		220-240 V AC , 50/60 Hz, 25 W (0.7 W Standby: Aerial Power Off)
Dimensions			420 (W) x 90 (H) x 299 (D) mm
Weight			4.3 kg

^{*1:} Switchable

• Design and specifications are subject to change without notice.

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^{*2:} This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable.

HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

● PDP-R06FE model

	Item		Media Receiver, Model: PDP-R06FE		
Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60		
TV Function	Receiving System		B/G, D/K, I, L/L'		
	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch		
		CATV	Hyper-band, S1–S41ch		
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort		
	STEREO		NICAM/A2		
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)		
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video		
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2		
		Antenna	75 Ω Din Type for VHF/UHF in		
	Front INPUT4		S-VIDEO, AV in		
AUDIO OUTF	PUT Terminal	(Rear)	AUDIO out (FIX)		
Power Requirement			220–240 V AC , 50/60 Hz, 16 W (0.4 W Standby)		
Dimensions			420 (W) x 90 (H) x 299 (D) mm		
Weight			3.5 kg		

*1: Switchable

*2: This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable. HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

Design and specifications are subject to change without notice.

Trademarks

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- This product includes FontAvenue® fonts licensed by NEC Corporation. FontAvenue is a registered trademark of NEC Corporation.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC
- The names of companies or institutions are trademarks or registered trademarks of the respective companies or institutions.

Dry Cell Battery (R6P, AA)

(For UK and Eire)

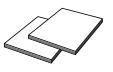
Only the power cord that is appropriate in your country or region is supplied.

Power cord (2 m)



System cable (3 m) (ADF1027)

Remote control unit (PDP-R06XE : AXD1509) (PDP-R06FE : AXD1491)



Two operating instructions

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PDP-R06XE

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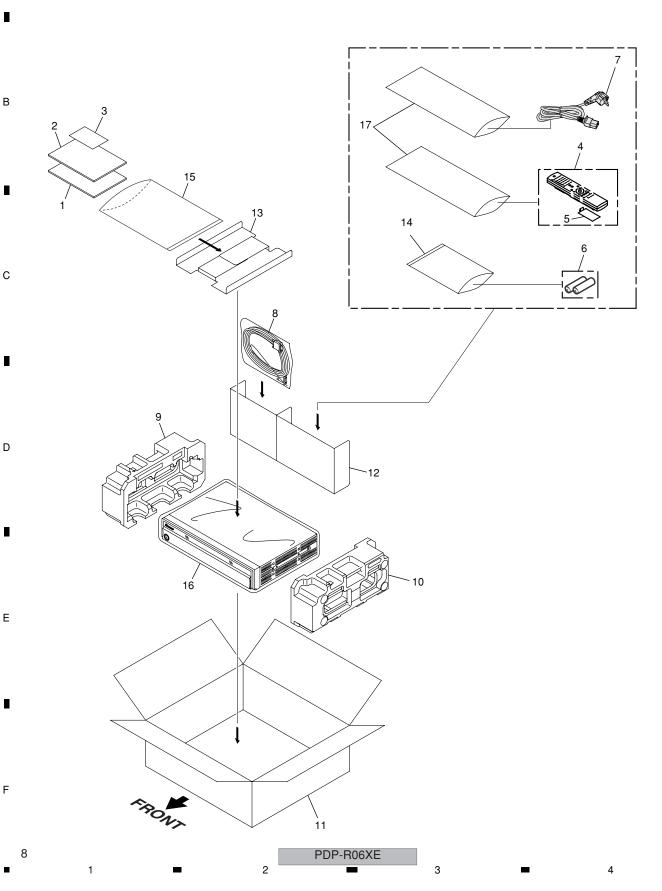
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

Α



(1) PACKING SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.
1	Operating Instructions	See Contrast table (2)
	(Italian, Dutch, Spanish)	
2	Operating Instructions	See Contrast table (2)
	(English, French, German)	
3	Caution Card (10L)	ARM1276
4	Remote Control Unit	See Contrast table (2)
5	Battery Cover	See Contrast table (2)
NSP 6	Dry Cell Battery (R6P, AA)	See Contrast table (2)
<u>↑</u> 7	Power Cord	ADG1214
8	System Cable (3m)	ADF1027
9	Pad L	See Contrast table (2)
10	Pad R	See Contrast table (2)
11	Carton	See Contrast table (2)
12	Accessory Carton	See Contrast table (2)
13	Manual Case	See Contrast table (2)
14	Polyethylene Bag	AHG1337
NSP 15	Catalogue Bag	AHG1340
16	Laminate Sheet	AHG1350
17	Air Cap Bag	AHG1351

(2) CONTRAST TABLE

PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

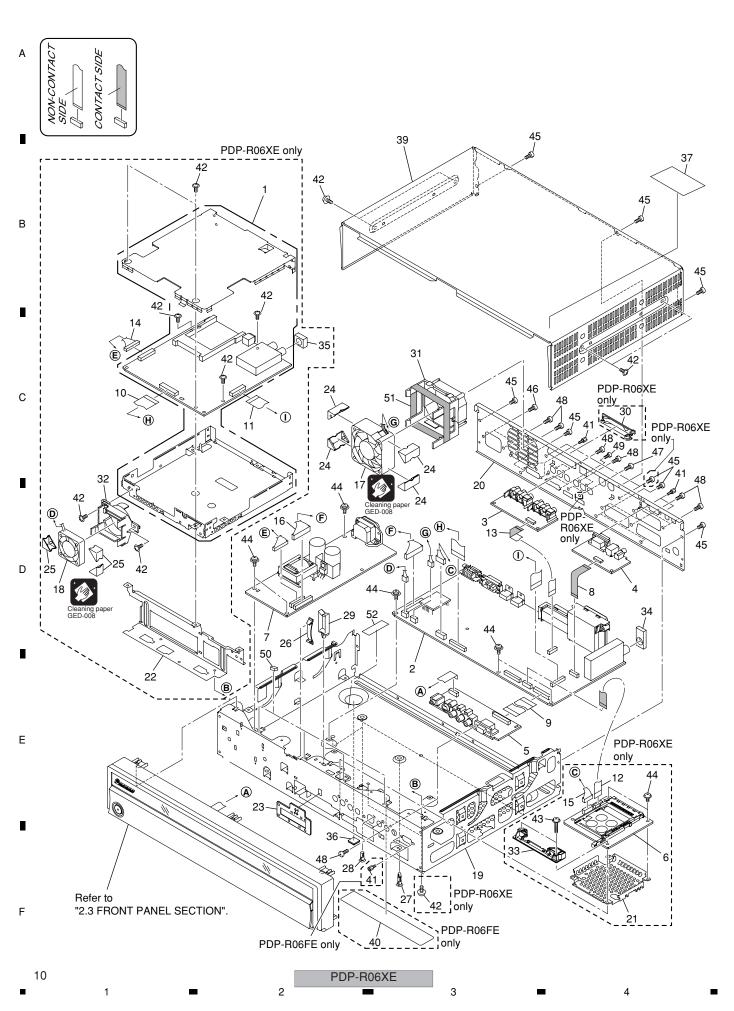
Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	Operating Instructions (Italian, Dutch, Spanish)	ARC1548	ARC1543	ARC1544
	2	Operating Instructions (English, French, German)	ARE1400	ARE1395	ARE1396
	4	Remote Control Unit	AXD1509	AXD1491	AXD1491
	5	Battery Cover	AZN7919	AZN7424	AZN7424
NSP	6	Dry Cell Battery (R6P, AA)	VEM1017	VEM1031	VEM1017
	9	Pad L	AHA2445	AHA2443	AHA2445
	10	Pad R	AHA2446	AHA2444	AHA2446
	11	Carton EA	AHD3354	Not used	Not used
	11	Carton E1	Not used	AHD3353	Not used
	11	Carton E2	Not used	Not used	AHD3356
	12	Accessory Carton E	AHD3359	Not used	AHD3359
	12	Accessory Carton J	Not used	AHD3422	Not used
	13	Manual Case	AHD3424	AHD3427	AHD3424

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PDP-R06XE

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2.2 EXTERIOR SECTION



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(1) FX1	FRIOR	SECT	ION PA	RTSI	IST

Mark	No.	<u>Description</u>	Part No.	<u>Mark</u>	No.	<u>Description</u>	Part No.	
	1	R06 D-TUNER Assy	See Contrast table (2)		27	Circuit Board Spacer	AEC1969	
<u> </u>	2	MR MAIN Assy	See Contrast table (2)		28	Circuit Board Spacer	AEC2028	Α
	3	REAR IO Assy	See Contrast table (2)		29	Re-used Wire Saddle	AEC2038	^
	4	SR Assy	See Contrast table (2)		30	Rear Cover	See Contrast table (2)	
	5	FRONT Assy	See Contrast table (2)					
					31	Fan Holder 60	AMR3451	
	6	PC CARD Module	See Contrast table (2)		32	Fan Holder 40	See Contrast table (2)	
<u> </u>	7	POWER SUPPLY Unit	AXY1114		33	PC Guide	See Contrast table (2)	
	8	Flexible Cable (J208)	ADD1213	<u> </u>	34	Gasket M	ANK1774	
	9	Flexible Cable (J201)	ADD1305	<u> </u>	35	Gasket N	See Contrast table (2)	
	10	Flexible Cable (J202)	See Contrast table (2)					
					36	Rubber Foot	VEB1349	
	11	Flexible Cable (J205)	See Contrast table (2)		37	Caution Label	See Contrast table (2)	В
	12	Flexible Cable (J206)	See Contrast table (2)		38	WEEE Label L	AAX3198	
	13	Flexible Cable (J209)	ADD1310		39	Metal Bonnet	See Contrast table (2)	
	14	12P Housing Wire (J102)	See Contrast table (2)		40	Bottom Cover	See Contrast table (2)	
	15	6P Housing Wire (J103)	See Contrast table (2)					
					41	HEX Head Screw	BBA1051	_
	16	16P Housing Wire (J101)	ADX3191		42	Screw	ABZ30P060FTC	
<u> </u>	17	Fan Motor (60 x 25L)	AXM1045		43	Screw	See Contrast table (2)	
<u> </u>	18	Fan Motor (42 x 10.5L)	See Contrast table (2)		44	Screw	BBB30P080FTC	
	19	Base Chassis	See Contrast table (2)		45	Screw	BBZ30P060FTB	
	20	Terminal Panel	See Contrast table (2)					
					46	Screw	BBZ30P100FTC	С
⚠	21	PC Shield	See Contrast table (2)		47	Screw	BMZ30P060FTC	
	22	Frame B	See Contrast table (2)		48	Screw	BPZ30P080FTB	
⚠	23	Shield Plate	See Contrast table (2)		49	Screw	PMZ26P060FTB	
	24	Floating Rubber 60	AEB1410		50	Front Panel Spacer	AEB1429	
	25	Floating Rubber 40	See Contrast table (2)					
					51	TERAOKA No.570F 16mm(W)	GYH1001	_
	26	Flat Clamp	AEC1858					

(2) CONTRAST TABLE
PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

/lark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5	
	1	R06 D-TUNER Assy	AWE1304	Not used	Not used	
<u> </u>	2	MR MAIN Assy	AWV2219	AWV2221	AWV2221	
	3	REAR IO Assy	AWW1036	AWW1040	AWW1040	
	4	SR Assy	AWW1037	AWW1041	AWW1041	
	5	FRONT Assy	AWW1038	AWW1042	AWW1042	
	6	PC CARD Module	AXY1073	Not used	Not used	
	10	Flexible Cable (J202)	ADD1306	Not used	Not used	
	11	Flexible Cable (J205)	ADD1307	Not used	Not used	
	12	Flexible Cable (J206)	ADD1308	Not used	Not used	
	14	12P Housing Wire (J102)	ADX3138	Not used	Not used	
	15	6P Housing Wire (J103)	ADX3139	Not used	Not used	
\triangle	18	Fan Motor (42 x 10.5L)	AXM1050	Not used	Not used	
	19	Base Chassis J	ANA1891	Not used	Not used	
	19	Base Chassis	Not used	ANA1868	ANA1868	
	20	Terminal Panel EA	ANC2375	Not used	Not used	
	20	Terminal Panel EB1	Not used	ANC2373	Not used	
	20	Terminal Panel EB2	Not used	Not used	ANC2374	
$\triangle\!$	21	PC Shield	ANG2578	Not used	Not used	
	22	Frame B	ANG2792	Not used	Not used	

PDP-R06XE

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Mark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
<u> </u>	23	Shield Plate	ANG2838	Not used	Not used
	25	Floating Rubber 40	AEB1413	Not used	Not used
	30	Rear Cover	AMR3425	Not used	Not used
	32	Fan Holder 40	AMR3453	Not used	Not used
	33	PC Guide	AMR3468	Not used	Not used
<u> </u>	35	Gasket N	ANK1776	Not used	Not used
	37	Caution Label	AAX3196	Not used	Not used
	39	Metal Bonnet	ANE1653	Not used	Not used
	39	Metal Bonnet FE	Not used	ANE1652	ANE1652
	40	Bottom Cover	Not used	AAX3223	AAX3221
	42	Screw	ABZ30P060FTC	ABZ30P060FTB	ABZ30P060FTB
	43	Screw	ABZ30P180FTC	Not used	Not used
	52	Label	AAX3247	Not used	Not used

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PDP-R06XE

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• Pasting up location WEEE Label (No.38)

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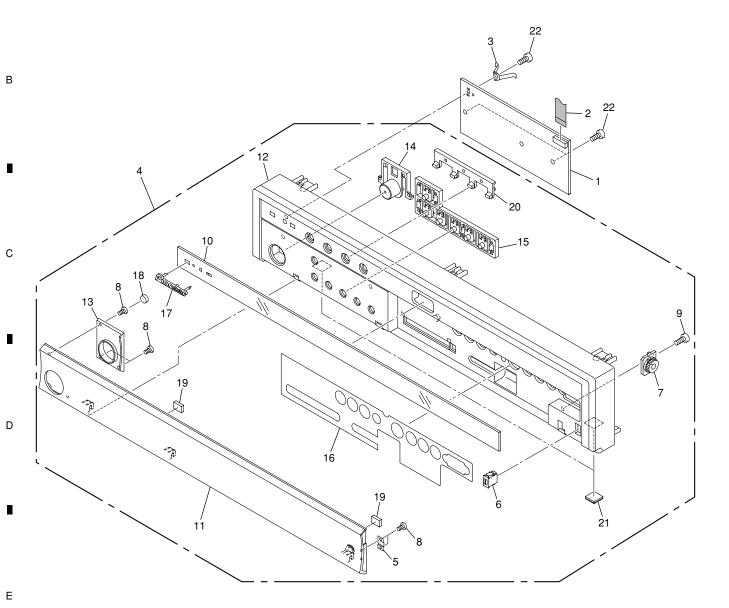
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PDP-R06XE

2.3 FRONT PANEL SECTION

NOW-CONTACT
SIDE
CONTACT SIDE



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PDP-R06XE

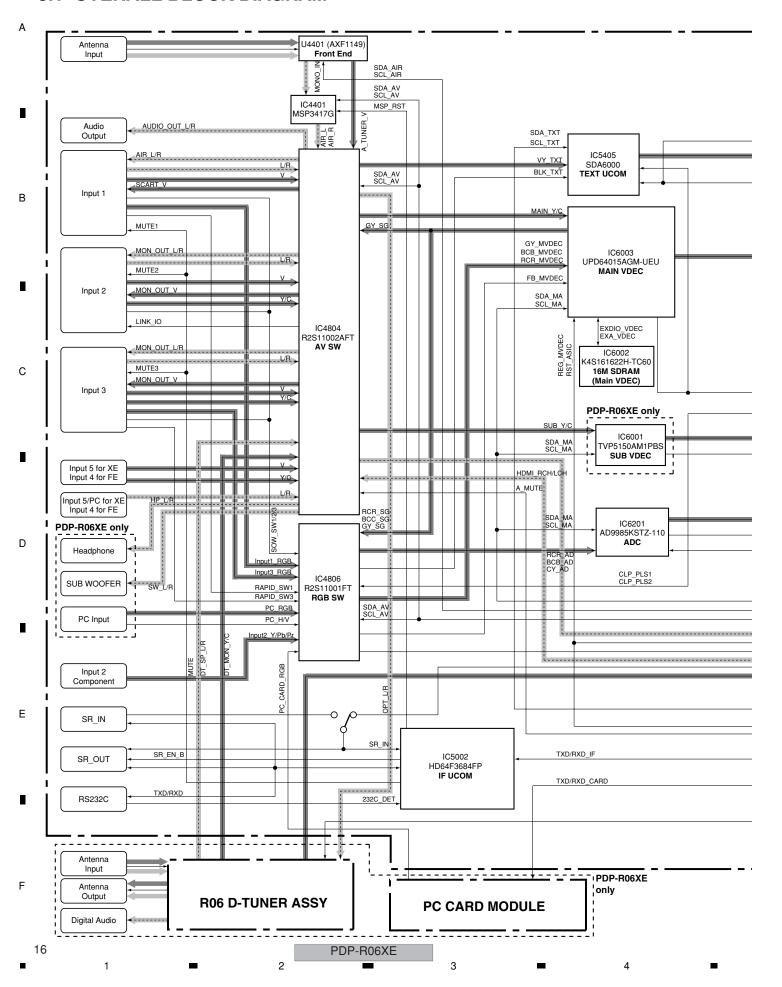
(1) FRONT PANEL SECTION PARTS LIST

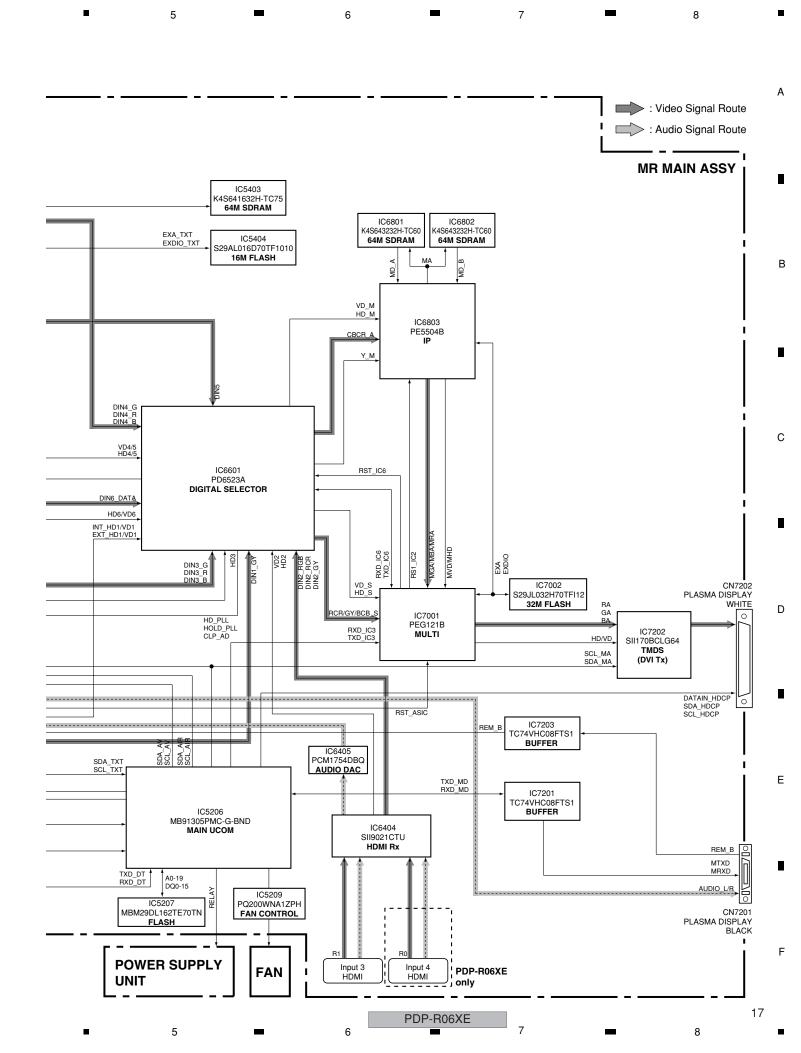
Mark No.	<u>Description</u>	Part No.	
1	LED Assy	See Contrast table (2)	
2	Flexible Cable (J207)	ADD1309	Α
<u> </u>	Earth Metal	BNG1336	^
4	Front Panel Assy	See Contrast table (2)	
5	Magnet Catcher	ANG2820	
6	Magnet Holder Assy	AEC1077	
7	Gear Damper	AXA1019	
8	Screw (2 x 3.5)	ABA1329	
9	Screw	BPZ30P080FTB	
10	Indicator Panel	See Contrast table (2)	
11	Door	See Contrast table (2)	В
12	Front Panel	See Contrast table (2)	
13	Escutcheon Ring	AAD4134	
NSP 14	Power Button	AAD4135	
NSP 15	Operation Button	AAD4136	
16	Sealing Sheet	See Contrast table (2)	
17	Pioneer Name Plate	AAM1107	
18	Door Cushion	AEB1412	
19	Door Cushion S	See Contrast table (2)	
NSP 20	LED Lens	AMR3452	_
21	Rubber Foot	VEB1349	С
22	Screw	BPZ30P080FTB	

(2) CONTRAST TABLE PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	LED Assy	AWW1039	AWW1043	AWW1043
	4	Front Panel Assy XE	AXG1030	Not used	Not used
	4	Front Panel Assy FE	Not used	AXG1029	AXG1029
	10	Indicator Panel (XE)	AAK2841	Not used	Not used
	10	Indicator Panel (FE)	Not used	AAK2840	AAK2840
	11	Door (XE)	AAN1479	Not used	Not used
	11	Door (FE)	Not used	AAN1478	AAN1478
	12	Front Panel (XE)	AMB2863	Not used	Not used
	12	Front Panel (FE)	Not used	AMB2862	AMB2862
	16	Sealing Sheet (XE)	AAL2665	Not used	Not used
	16	Sealing Sheet (FE)	Not used	AAL2664	AAL2664
	19	Door Cushion S	AEB1425	Not used	Not used
	19	Door Cushion S (UE)	Not used	AEB1426	AEB1426

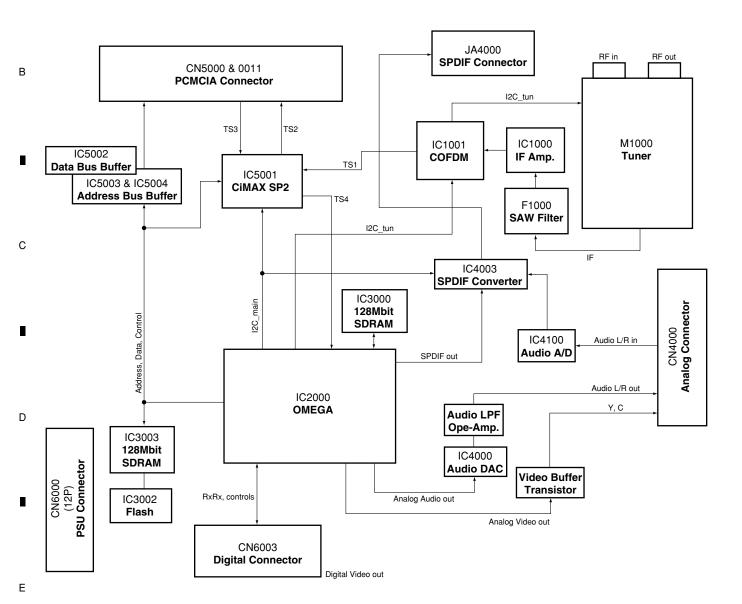
3.1 OVERALL BLOCK DIAGRAM





R06 D-TUNER ASSY

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PDP-R06XE

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PDP-R06XE

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POWER SUPPLY UNIT

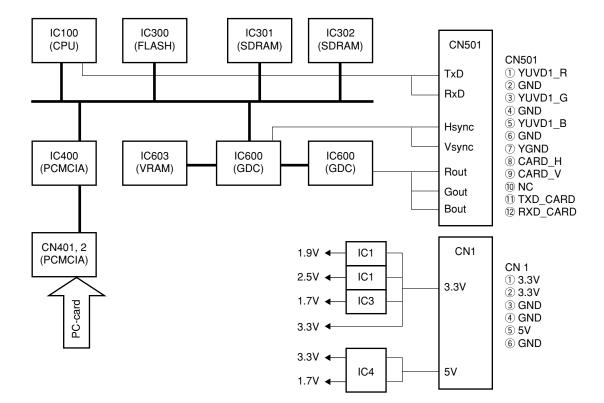
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PC CARD MODULE



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PDP-R06XE

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3.6 VOLTAGES

CN7804 (AKM1236)		Voltage	CN4001 (AKM12	1SS1 236)	
No.	Name	(V)	Name	No.	
50	V+9V A	9.0	V+9V A	1	
49	V+5V_A	5.0	V+5V_A	2	
48	V+3 3V UCOM2	3.4	V+3 V_A	3	
47	WE RDM	0	WE RDM	4	
46	GND	0	GND	5	
45	INPUT5 R	4.5	INPUT5 R	6	
44	GND	0	GND	7	
43	INPUT5 L	4.5	INPUT5 L	8	
42	GND	0	GND	9	
41	INPUT5 V	2.5	INPUT5 V	10	
			_	11	
40	GND	0	GND	_	
39	INPUT5_S2	0	INPUT5_S2	12	
38	INPUT5_SPLUG	5.0	INPUT5_SPLUG	13	
37	GND	0	GND	14	
36	INPUT5_C	2.2	INPUT5_C	15	
35	GND	0	GND	16	
34	INPUT5_Y	2.5	INPUT5_Y	17	
33	GND	0	GND	18	
32	GND	0	GND	19	
31	HP_L	2.1	HP_L	20	
30	GND	0	GND	21	
29	GND	0	GND	22	
28	HP_R	2.1	HP_R	23	
27	GND	0	GND	24	
26	GND	0	GND	25	
25	NC	0	NC	26	
24	HP_PLUG	0	HP_PLUG	27	
23	GND	0	GND	28	
22	GND	0	GND	29	
21	PC_R	2.5	PC_R	30	
20	GND	0	GND	31	
19	PC_B	2.5	PC_B	32	
18	GND	0	GND	33	
17	PC_G	2.5	PC_G	34	
16	GND	0	GND	35	
15	PC_H	0	PC_H	36	
14	GND	0	GND	37	
13	PC_V	0	PC_V	38	
12	GND	0	GND	39	
11	GND	0	GND	40	
10	GND	0	GND	41	
9	GND	0	GND	42	
8	KEY_AD2	3.4	KEY_AD2	43	
7	KEY_AD1	3.4	KEY_AD1	44	
6	LED_REC	3.4	LED_REC	45	
5	V+5_1V_STB	5.1	V+5_1V_STB	46	
4	GND	0	GND	47	
3	LED OFF	3.4	LED OFF	48	
2	LED ON	0	LED ON	49	
1	V+3 3V STB	3.4	V+3 3V STB	50	

CN7601 (CKS3826)		Voltage	CN4008 (AKM12	233)
No.	Name	(V)	Name	No.
12	V+5_1_STB	5.1	V+5_1_STB	1
11	V+3_3_STB	3.4	V+3_3_STB	2
10	TXD	3.4	TXD	3
9	RXD	3.4	RXD	4
8	232C_DET	0	232C_DET	5
7	SR_EN_B	3.4	SR_EN_B	6
6	GND	0	GND	7
5	REM_B	3.4	REM_B	8
4	SR_IN	3.4	SR_IN	9
3	GND	0	GND	10
2	NC	-	NC	11
1	GND	0	GND	12

REA	R IO ASSY		MR MAIN A	SSY
CN	7402 (CKS3826)	Voltage	CN4008 (AKM12	33)
No.	Name	(V)	Name	No.
12	INPUT2_Y	2.5	INPUT2_Y	1
11	INPUT2_PULG	0	INPUT2_PULG	2
10	V+5V_A	5.0	V+5V_A	3
9	INPUT2_PB	2.5	INPUT2_PB	4
8	GND	0	GND	5
7	INPUT2_PR	2.5	INPUT2_PR	6
6	GND	0	GND	7
5	AUDIO_OUT_L	0	AUDIO_OUT_L	8
4	GND	0	GND	9
3	AUDIO_OUT_R	0	AUDIO_OUT_R	10
2	GND	0	GND	11
1	SW_OUT	0	SW_OUT	12

MR N	MAIN ASSY		POWER SUPPLY	UNIT
CN4	006 (KM200NA16)	Voltage	CN101 (B16B-PH-	·K-S)
No.	Name	(V)	Name	No.
16	V+35V	35.8	V+35V	16
15	GND	0	GND	15
14	V+17V	0	V+17V	14
13	GND	0	GND	13
12	V+12V	12.2	V+12V	12
11	GND	0	GND	11
10	V+6_8V	6.6	V+6_8V	10
9	GND	0	GND	9
8	V+5_1V	5.1	V+5_1V	8
7	V+5_1V	5.1	V+5_1V	7
6	V+5_1V_STB	5.1	V+5_1V_STB	6
5	GND	0	GND	5
4	V+3_3V_STB	3.4	V+3_3V_STB	4
3	GND	0	GND	3
2	RELAY	3.4	RELAY	2
1	AC_DET	3.4	AC_DET	1

	D-TUNER ASSY		MR MAIN ASSY		
	6003 (AKM1236)	Voltage	CN4004 (AKM12	281)	
No.	Name	(V)	Name	No.	
50	GND	0	GND	50	
49	HD_DT	3.3	HD_DT	49	
48	GND	0	GND	48	
47	VD_DT	3.3	VD_DT	47	
46	GND	0	GND	46	
45	DE_DT	0	DE_DT	45	
44	GND	0	GND	44	
43	GND	0	GND	43	
42	GND	0	GND	42	
41	GND	0	GND	41	
40	GND	0	GND	40	
39	GND	0	GND	39	
38	GND	0	GND	38	
37	GND	0	GND	37	
36	GND	0	GND	36	
35	GND	0	GND	35	
34	GND	0	GND	34	
33	GND	0	GND	33	
32	GND	0	GND	32	
31	GND	0	GND	31	
30	GND	0	GND	30	
29	GND	0	GND	29	
28	GND	0	GND	28	
27	GND	0	GND	27	
26	GND	0	GND	26	
25	GND	0	GND	25	
24	GND	0	GND	24	
23	GND	0	GND	23	
22	NC		NC	22	
21	NC	_	NC	21	
20	GND	0	GND	20	
19	Y0 DT	0 to 3.3	Y0 DT	19	
18	Y1 DT	0 to 3.3	Y1_DT	18	
17	GND	0	GND	17	
16	Y2_DT	0 to 3.3	Y2_DT	16	
15	Y3 DT	0 to 3.3	Y3 DT	15	
14	GND	0	GND	14	
13	Y4 DT	0 to 3.3	Y4 DT	13	
12	Y5 DT	0 to 3.3	Y5_DT	12	
11	GND	0	GND	11	
10	Y6 DT	0 to 3.3	Y6 DT	10	
9	Y7 DT	0 to 3.3	Y7 DT	9	
8	GND	0	GND	8	
7	CLK_DT	0 to 3.3	CLK_DT	7	
6	GND	0	GND	6	
5	DT FNC	3.3	DT FNC	5	
4	GND	0	GND	4	
3	RXD DT	3.3	RXD DT	3	
2	TXD_DT	3.3	TXD_DT	2	
1	GND	0	GND	1	
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PDP-R06XE

CN6000 (AKM1298)		Voltage	CN102 (B12B-PH	-K-S)
No.	Name	(V)	Name	No.
1	V+35V	35.8	V+35V	1
2	GND	0	GND	2
3	V+17V	0	V+17V	3
4	GND	0	GND	4
5	V+12V	12.2	V+12V	5
6	GND	0	GND	6
7	V+6.8V	6.6	V+6.8V	7
8	V+5.1V_STB	5.1	V+5.1V_STB	8
9	V+5.1V	5.1	V+5.1V	9
10	V+5.1V	5.1	V+5.1V	10
11	GND	0	GND	11
12	V+3.3V STB	3.4	V+3.3V STB	12

FAN			MR MAIN A	ISSY
		Voltage	CN4007 (AKM12	74)
No.	Name	(V)	Name	No.
_	-	6.5	FAN_VCC	1
_	-	0	FAN_NG2	2
_	-	0	GND	3

FAN MR MAIN ASSY					
		Voltage	CN4009 (AKM1	274)	
No.	Name	(V)	Name	No.	
-	-	6.5	FAN_VCC	1	
-	-	0	FAN_NG1	2	
-	-	0	GND	3	

FRO	NT ASSY	LED A	ASSY	
CN	7803 (AKM1233)	Voltage	CN8001 (CKS38	28)
No.	Name	(V)	Name	No.
1	GND	0	GND	12
2	GND	0	GND	11
3	GND	0	GND	10
4	GND	0	GND	9
5	KEY_AD2	3.4	KEY_AD2	8
6	KEY_AD1	3.4	KEY_AD1	7
7	LED_REC	3.4	LED_REC	6
8	V+5_1V_STB	5.1	V+5_1V_STB	5
9	GND	0	GND	4
10	LED_R	3.4	LED_R	3
11	LED_G	0	LED_G	2
12	V+3_3V_STB	3.4	V+3_3V_STB	1

CN	4005 (AKM1303)	Voltage	CN4000 (AKM12	217)
No.	Name	(V)	Name	No
40	GND	0	GND	40
39	DT_DET	0	DT_DET	39
38	RST_DT	3.3	RST_DT	38
37	NOT USE	0	NOT USE	37
36	ANT_POW_EU	0	ANT_POW_EU	36
35	GND	0	GND	35
34	GND	0	GND	34
33	NOT_USE	0	NOT_USE	33
32	GND	0	GND	32
31	GND	0	GND	31
30	NOT_USE	0	NOT_USE	30
29	GND	0	GND	29
28	GND	0	GND	28
27	NOT_USE	0	NOT_USE	27
26	GND	0	GND	26
25	GND	0	GND	25
24	GND	0	GND	24
23	GND	0	GND	23
22	GND	0	GND	22
21	GND	0	GND	21
20	GND	0	GND	20
19	GND	0	GND	19
18	DT_MON_Y	1.8	DT_MON_Y	18
17	GND	0	GND	17
16	GND	0	GND	16
15	DT_MON_C	1.8	DT_MON_C	15
14	GND	0	GND	14
13	OPT_L	0	OPT_L	13
12	GND	0	GND	12
11	OPT_R	0	OPT_R	11
10	GND	0	GND	10
9	DT_SP_L	0	DT_SP_L	9
8	GND	0	GND	8
7	DT_SP_R	0	DT_SP_R	7
6	GND	0	GND	6
5	GND	0	GND	5
4	GND	0	GND	4
3	GND	0	GND	3
2	GND	0	GND	2
1	GND	0	GND	1

MR N	IAIN ASSY		PC CARD MO	DULE
CN4	4003 (AKM1233)	Voltage	CN501 (HFW12S-25	STE1)
No.	Name	(V)	Name	No.
1	RXD_CARD	3.3	RXD_CARD	12
2	TXD_CARD	3.3	TXD_CARD	11
3	NC	0	NC	10
4	PC_CARD_V	3.3	PC_CARD_V	9
5	PC_CARD_H	3.3	PC_CARD_H	8
6	GND	0	GND	7
7	GND	0	GND	6
8	PC_CARD_B	0	PC_CARD_B	5
9	GND	0	GND	4
10	PC_CARD_G	0	PC_CARD_G	3
11	GND	0	GND	2
12	PC_CARD_R	0	PC_CARD_R	1

MR N	MAIN ASSY		PC CARD MOD	ULE	
CN4002 (AKM1277)		Voltage	CN1 (BBB-PH-SM3)		
No.	Name	(V)	Name	No.	
6	GND	0	GND	6	
5	V+5V_CARD	5.0	V+5V_CARD	5	
4	GND	0	GND	4	
3	GND	0	GND	3	
2	V+3_3V_CARD	3.3	V+3_3V_CARD	2	
1	V+3_3V_CARD	3.3	V+3_3V_CARD	1	

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PDP-R06XE

Refer to service manual (ARP3276).

Note: The encircled numbers denote measuring point in the schematic diagram.

MR MAIN ASSY

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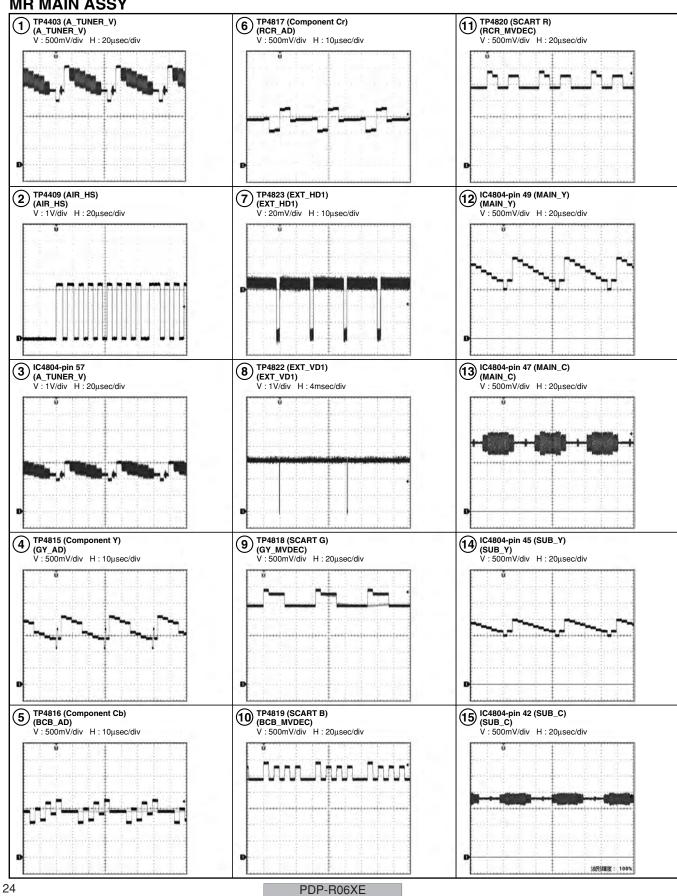
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NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

• When ordering resistors, first convert resistance values into code form as shown in the following examples. Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{1} \rightarrow 5621 \dots RN1/4PC[5][6][2][1F]$

■ LIST OF HOLE PCB ASSEMBLIES

Mark	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1R06 D-TUNER ASSY	AWE1304	Not used	Not used
<u> </u>	1MR MAIN ASSY	AWV2219	AWV2221	AWV2221
NSP 1	1MR FUKUGO ASSY	AWV2220	AWV2222	AWV2222
	2REAR IO ASSY	AWW1036	AWW1040	AWW1040
	2SR ASSY	AWW1037	AWW1041	AWW1041
	2FRONT ASSY	AWW1038	AWW1042	AWW1042
	2LED ASSY	AWW1039	AWW1043	AWW1043
<u> </u>	1POWER SUPPLY UNIT	AXY1114	AXY1114	AXY1114

■ FOR PDP-R06XE

Mark No. Description	Part No.	Mark No.	Description	Part No.	
R06 D-TUNER ASSY		C1004,C1055		CEHVKW101M6R3	
		C1010		CEHVKW2R2M50	
[TUNER BLOCK]		C1102		CEHVKW331M6R3	
<u>SEMICONDUCTORS</u>		C1018,C1027,	C1029,C1050	CEHVKW470M16	
IC1001	STV0361L	C1056,C1057		CEHVKW470M16	
IC1000	UPC3221GV				D
Q1001	2SC2412K	C1015		CKSRYB102K50	
Q1002	DTC124EUA	C1013,C1021,	C1040,C1041,C1045	CKSRYB103K50	
Q1003,Q1004	RK7002	C1001-C1003,	,C1017,C1022	CKSRYB104K16	
		C1025,C1026,	C1030-C1035,C1037	CKSRYB104K16	
D1001	1SS355	C1039,C1049,	C1053,C1058-C1062	CKSRYB104K16	
⚠ D1000	SM15T6V8A				
		C1036		CKSRYB105K10	
COILS AND FILTERS					
L1002	LCYAR82J2520	RESISTORS			
F1001,F1003-F1010 FERRITE BEAD	VTF1091	All Resistors		RS1/16S###J	
F1012-F1014 FERRITE BEAD	VTF1091				
F1100,F1101 FERRITE BEAD	VTF1091	OTHERS			
F1202-F1204 FERRITE BEAD	VTF1091		P FUSE (0.25A)	XEK1003	Ε
		X1100 CRYS	,	XSS1010	
F1000 SAW FILTER	XTF1002	71100 01110	, i, (E (E / i viii i E)	7,001010	
L1200 CHIP FERRITE BEAD	XTX1001				
L1004 CHIP FERRITE BEAD	XTX1003	[DEMUX BLC	nck1		
L1000 CHIP BALUN TRANS	XTX1005	_	_		
		SEMICONDU	ICTORS		
CAPACITORS		IC2001		SN74LVU04APW	
C1054	BCG1050	IC2000		STI5517DWAL	
C1028,C1038,C1042,C1046,C1051	CCG1205	IC2002		TC74VHC08FTS1	
C1043,C1044	CCSRCJ3R0C50	Q2000		2SC4081	
C1020	CEHVKW100M16	D2000		DA204U	
C1019	CEHVKW100M50				
01010	OZITVIKVV TOOMIOO	D2002		HVU307	F
		D2005,D2009		RB501V-40	
		D2001		UDZS8R2(B)	
		VA2002		AVR-M1608C120MT2AB	

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Mark No	D			
IVIAIR IVO	. Description	Part No.	Mark No. Description	Part No.
COILS	AND FILTERS		CAPACITORS	
•	F2003 FERRITE BEAD	VTF1091	C4000,C4002	CCG1205
	CHIP FERRITE BEAD	XTX1003	C4010,C4011,C4042	CCSRCH101J
L2000	CHIP FERRITE BEAD	X1X1003		
			C4008,C4009	CCSRCH121J
CAPAC	<u>ITORS</u>		C4007,C4013	CCSRCH220J
C2014.	C2016	CCSRCH100D50	C4019,C4102-C4104,C4108-C4113	CEHVKW100M
,	C2026,C2030	CCSRCH101J50		
C2009	02020,02000	CCSRCH330J50	C4004	CEHVKW2R2N
C2011,	C2012	CCSRCH390J50	C4012.C4022.C4023.C4029.C4039	CEHVKW470N
	02012		C4006	CKSRYB102K
C2007		CCSRCH471J50	C4001,C4014,C4032,C4033,C4038	CKSRYB103K
			C4040.C4041	CKSRYB105K
	·C2034,C2036	CEHVKW470M16	C4040,C4041	CNSHIBIUSK
	C2017,C2020,C2021	CKSRYB102K50	0.4000 0.4000 0.4000 0.4000	01/05/15/15
C2013		CKSRYB105K10	C4003,C4005,C4017,C4018,C4021	CKSRYF104Z1
C2001		CKSRYB471K50	C4024,C4043,C4105-C4107	CKSRYF104Z1
C2002,	C2003,C2005,C2006	CKSRYF104Z16		
			RESISTORS	
C2018	C2019,C2022-C2025,C2028	CKSRYF104Z16	R4042,R4045,R4046	RS1/16S2000F
	C2037-C2041,C2043-C2045	CKSRYF104Z16	Other Resistors	RS1/16S###J
C2047,		CKSRYF104Z16	Other resistors	1101/100###0
,	02040		OTHERO	
C2015		CKSRYF105Z10	<u>OTHERS</u>	
C2027,	C2029,C2042,C2046	CKSRYF223Z50	CN4000 40P CONNECTOR	AKM1217
			JA4000 OPTICAL OUT MODULE	GP1FM513TZ
C2004		CKSRYF474Z16	X4000 CRYSTAL (12.288MHz)	XSS1006
			, ,	
RESIST	ORS			
	R2018,R2042	RAB4C103J	[COMMON-INTERFACE BLOCK	71
R2070,		RAB4CQ220J		7]
,	Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>	
Other	162121012	N31/103###J	IC5001	CIMAXSP2L
			IC5000	ST890CDR
OTHER	<u>S</u>		IC5002	TC74LCX245F
X2001	CRYSTAL	ASS1172	IC5003,IC5004	TC74LCX373F
X2000	CRYSTAL (27MHz)	BSS1112	Q5000	2SC4081
			05004	DTA143EUA
[MEMO	RY BLOCK]		Q5001 Q5002	
-	RY BLOCK]		Q5001 Q5002	DTC124EUA
SEMICO	<u>ONDUCTORS</u>	V48201622E 1107E	Q5002	
SEMICO	_	K4S281632F-UC75	Q5002 CAPACITORS	DTC124EUA
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M
SEMICO IC3000	<u>ONDUCTORS</u>	K4S281632F-UC75	Q5002 CAPACITORS C5005,C5100 C5001	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75 XTX1001	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS A	ONDUCTORS I,IC3003 AND FILTERS	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001	
SEMICO IC3000 COILS A	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD		Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS / L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS	DTC124EUA CEHVKW470N CKSRYB105K1 CKSRYF104Z1
SEMICO IC3000 COILS A L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001 XTX1003	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS	XTX1001 XTX1003 CEHVKW470M16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C3000 COILS / L3005 L3003 CAPAC C3010 C3000,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS	CEHVKW470M CKSRYB105K* CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
EMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK]	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K: CKSRYF104Z1 RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209
SEMICO IC3000 COILS, L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS Q4002 AND FILTERS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW 2SC4081	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008 D6003,D6100-D6102	DTC124EUA CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209 1SS355
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209

PDP-R06XE

5 lark No.	Description	6 <u>Part No.</u>	Mark No.	7 Description	8 Part No.	
	•	<u>rait No.</u>	OTHERS	Description	<u>raitino.</u>	
COILS AND FIL	<u>.IERS</u>	L CVA DOO 10500		0P CONNECTOR	AI/N41004	
L6000 F6000 CHIP FEI		LCYAR82J2520 VTF1091			AKM1201	
				N4008,CN4010	AKM1233	
L6001,L6100,L61		XTH1001		2P FFC CONNECTOR	AI/A4 000	
CHIP INL	DUCTOR (33UH)			0P CONNECTOR	AKM1236	
			CN4007,CI		AKM1274	
CAPACITORS			ŀ	PH CONNECTOR 3P		
C6027		CCSRCH101J50	ON 4000 F	NI COMMECTOR OR	ALCA 44 077	
C6010		CCSRCH331J50		PH CONNECTOR 6P	AKM1277	
C6004		CEHVKW100M50	CN4005 4	0P CONNECTOR	AKM1303	
	036,C6042,C6044	CEHVKW101M6R3				
C6031		CEHVKW2R2M50	IDEO DI O	01/7		
			[REG BLO	_		
C6000,C6026,C6		CEHVKW331M6R3	SEMICON	<u>DUCTORS</u>		
	013-C6015,C6019	CEHVKW470M16	IC4210,IC4	212	BD6522F	
C6023,C6100		CEHVKW470M16	IC4208,IC4	211	MM1661JH	
C6022		CKSRYB105K10	IC4202		NCP1117ST15	
C6003,C6005,C6	006,C6012,C6018	CKSRYF104Z16	IC4209		NCP1117ST18	
			IC4201		PQ025ENA1ZPH	
	025,C6029,C6030	CKSRYF104Z16				
C6033,C6038,C6	102,C6200	CKSRYF104Z16	IC4204,IC4	205	PQ033ENA1ZPH	
C6002,C6035		CKSRYF223Z50	IC4206		PQ050DNA1ZPH	
C6008,C6016		CKSRYF474Z16	IC4203		PQ090DNA1ZPH	
			Q4201,Q42	203	DTC124EUA	
RESISTORS				206,D4208,D4209,D4211	1SS355	
R6031		RAB4C221J		-, -, -,		
R6012-R6014		RAB4C2R2J	COILS AN	D FILTERS		
R6204,R6205		RAB4CQ101J		2 INDUCTOR	BTH1111	
Other Resistors		RS1/16S###J		06 CHIP FERRITE BEAD		
				05,F4207 EMI FILTER	CCG1162	
THERS			<u>::</u> 11 4201-1 42	05,1 4207 LIVII I ILI LIT	0001102	
CN6003 50P CC	MINIECTOR	AKM1236	CADACITO	NDC		
			CAPACITO		1007010	
CN6000 PHP C	JINNECTOR 12P	AKM1298		06,C4209,C4215,C4218	ACG7046	
			(10/6.3V)			
DO 04 DD DI 0	01/7			33,C4235,C4240,C4250	ACG7046	
PC CARD BLO	-		(10/6.3V)			
SEMICONDUC'	<u>rors</u>			57,C4260,C4263	ACG7046	
IC3002		XYW1005	(10/6.3V)			
			0.4040./404	NIE (4.0) 0	40114004	
<u>OTHERS</u>			C4213 (100	,	ACH1394	
16-18 SCREW		ABZ30P060FTC	C4210,C42	44,C4269	ACH1429	
11 PCMCIA EJE	CTOR	ANG2673	C4273		CCSSCH101J50	
12-15 SCREW		PMZ20P100FNI	,	16,C4219,C4221,C4222	CEHVKW101M6R3	
9 TOP CAN		XNG1002	C4224,C42	28,C4238,C4264,C4267	CEHVKW101M6R3	
			C4226		CEHVKW220M16	
			C4214		CKSRYB104K16	
IR MAIN AS	CV.		C4203,C42	,	CKSRYB105K10	
	31		C4229,C42	- /	CKSSYB104K10	
<u> THERS</u>			C4232,C42	34	CKSSYB471K50	
FRONT END (EU)	AXF1149				
DD CON UNIT		AXY1117		04,C4207,C4212,C4227	CKSSYF104Z16	
				51,C4261,C4262,C4268	CKSSYF104Z16	
			C4211,C42	25,C4256	DCH1165	
BOARD IF BLC	CK]					
SEMICONDUC [*]	-		RESISTOR	<u>rs</u>		
Q4003,Q4004		2SA1586	All Resistor		RS1/16S###J	
Q4003,Q4004 Q4001		DTA124EUA				
Q4001 Q4002		TPC6104				
D4001-D4005		1SS355	[TUNER BI	LOCK1		
2 .001 D-000		.0000	SEMICON	_		
CAPACITORS			IC4401	20010110	MCD24170	
		CKCDVD10EK10			MSP3417G	
C4002		CKSRYB105K10	Q4404	100	2SA1586	
C4003,C4004		CKSSYB104K10	Q4401,Q44	102	2SC4116	
			Q4414	140.04445	DTA124EUA	
RESISTORS			Q4410,Q44	113,Q4415	DTC124EUA	
<u>ILOIOTOTIO</u>		RS1/10S0R0J				
R4021-R4023		RS2LMF8R2J				
R4021-R4023		RS1/16S###J				

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	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	Q4407,Q4408	•	HN1A01FU	COILS AND	FILTERS	
	Q4405		HN1B04FU	L4602,L4604,		LCTAW1R0J2520
	Q4409		HN1C01FU	L4611,L4612	L 1000,L 1000	LCTAW1R0J2520
Α	D4401		UDZS33(B)	L4601,L4603,	L4605.L4607	LCTAW560J2520
	D4403		UDZS8R2(B)	L4609,L4610	,	LCTAW560J2520
	COILS AND F	FILTERS		SWITCHES	AND RELAYS	
	L4401-L4403		BTH1119	S4601		ASH1029
	L4405,L4406		LCTAW150J2520	0.00.		7.0020
	L4407		LCTAW4R7J2520	CAPACITOR	S	
_	L4404		LCTAW8R2J2520	C4601,C4605	5,C4620 (10/6.3V)	ACG7046
	F4401,F4402	FERRITE BEAD	VTF1080		,C4636 (10/6.3V)	ACG7046
	0.4.0.4.0.17.0.0.0			C4662 (100U)	F/16V)	ACH1394
	CAPACITORS		100=010		,C4617,C4619,C4624	CCG1205
		C4415 (10/6.3V)	ACG7046	C4628,C4643	,C4649,C4661	CCG1205
В	C4424 (3.3UF/	C4459 (10/6.3V)	ACG7046 ACH1385	0	0.4000	05114747444
	C4449	30V)	CCSRCH680J50	C4602,C4623		CEHAT471M10
	C4442		CCSRCJ3R0C50	·	,C4609,C4612	CKSRYB105K10 CKSRYB105K10
	04442		00011000110000		3,C4626,C4629 3,C4641,C4642	CKSRYB105K10
	C4417,C4418		CCSSCH100D50		5,C4650,C4652-C4654	CKSRYB105K10
	C4431		CCSSCH101J50	04040,04040	,04000,04002 04004	ONOTTIBIOONTO
	C4450		CCSSCH121J50	C4644		CKSRYB224K10
_	C4456		CCSSCH181J50		,C4627,C4630	CKSSYB102K50
	C4448		CCSSCH470J50	C4647,C4648		CKSSYB102K50
)	CKSSYB102K50
	C4428,C4443		CCSSCH560J50	C4604,C4614	,C4622,C4637,C4651	CKSSYF104Z16
	C4441		CCSSCH5R0D50			
С	C4409,C4423 C4421		CEHVKW100M16	C4603,C4625	,C4638	DCH1165
	C4421 C4422		CEHVKW101M6R3 CEHVKW470M16			
	04422		OLITVIC V 47 OIVITO	RESISTORS		
	C4420		CKSRYB332K50	R4608,R4670	•	RS1/10S121J
	C4401,C4411,0	C4413	CKSRYF104Z50	· ·	,R4645,R4658,R4686	RS1/10S151J
	, ,	C4410,C4430,C4440	CKSSYB102K50	R4734,R4735	2,R4643,R4675,R4681	RS1/10S151J RS1/16S75R0F
	C4444,C4455,0	C4461	CKSSYB102K50	R4715-R4717		RS1/16S75R0F
	C4408,C4439,0	C4446	CKSSYB103K16	114713-114717	,114733	1131/103/31101
				Other Resisto	rs	RS1/16S###J
	C4438,C4454	04405 04400 04400	CKSSYB472K25			
		C4425,C4426,C4432 C4447,C4451,C4460	CKSSYF104Z16 CKSSYF104Z16	OTHERS		
	C4434,C4435,0	C4447,C4451,C4460	CKSSYF104Z16	JA4601 RGE	CONNECTOR (DUAL)	AKP1265
D	C4414,C4437,0	C4445	DCH1165	JA4602 RGE	CONNECTOR	AKP1266
	<u>RESISTORS</u>			[AV SW BLO	CK1	
	All Resistors		RS1/16S###J	SEMICONDU	_	
	OTHERO			IC4807	<u> </u>	BH3544F
	<u>OTHERS</u>			IC4805		NJM12904V
	X4401 CRYS	TAL (18.432MHz)	ASS1196	IC4806		R2S11001FT
				IC4804		R2S11002AFT
	[AV IO BLOCK	(1		IC4809		TC7WH123FU
	-	-				
	SEMICONDU		0044500	·	2,Q4804-Q4806,Q4809	2SA1586
Ε	Q4614,Q4615,		2SA1586	· ·),Q4822,Q4823	2SA1586
	Q4641,Q4642, Q4602-Q4605,		2SA1586 2SC4116	•	-Q4813,Q4817,Q4819	2SC4116
		Q4622-Q4624,Q4629	2SC4116	Q4821		2SC4116
	Q4632-Q4637,	· ·	2SC4116	Q4814		DTA124EUA
	,			Q4815		DTC124EUA
_	Q4611,Q4612,	Q4640	2SD2114K	Q4807		HN1B04FU
		Q4621,Q4627,Q4631	DTA124EUA	D4802,D4806	;	1SS301
	Q4610	0.4000	DTA143EUA	D4801		1SS355
	Q4613,Q4617,		DTC124EUA			
	Q4601,Q4609,	Q4625,Q4630,Q4638	HN1A01FU	CAPACITOR	<u>S</u>	
	Q4644		HN1C01FU	C4916 (4.7U/		ACG1122
_		D4611,D4612,D4615	1SS301		5,C4871 (10/6.3V)	ACG7046
F	D4602,D4607,I	D-1011,D-1012,D-1013	1SS301		i,C4923 (10/6.3V)	ACG7046
	D4606,D4626		1SS355	C4877,C4880	1	CCSRCH181J50
				C4859		CCSRCH331J50
	20					

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Mark No.	<u>Description</u>	Part No.	Mark No.	Description	Part No.	
C4861	•	CCSRCH680J50	D5203	•	1SS355	
C4885,C488	8	CCSRCH681J50	D5201		SML-311UT	
C4822,C486		CEHVKW101M6R3				
C4898	_	CEHVKW470M6R3	CAPACITOR	35		Α
C4802,C480	5,C4806,C4808	CKSRYB105K10	C5235	<u></u>	CCSRCH221J50	, ,
•	,		C5244,C524	5	CCSSCH120J50	
C4813,C481	4,C4820,C4833,C4834	CKSRYB105K10		8,C5237,C5239-C5243	CCSSCH470J50	
C4836,C483	8-C4841,C4847,C4848	CKSRYB105K10	C5246-C524	· ·	CCSSCH470J50	
C4850,C485	1,C4878,C4879,C4889	CKSRYB105K10	C5238		CEHVKW100M35	
C4894,C489	5,C4899-C4905,C4922	CKSRYB105K10	00200		02	_
C4837		CKSRYB474K10	C5201		CEHVKW101M6R3	
			C5261-C526	3	CKSSYB102K50	
C4853-C485	8,C4860,C4865	CKSSYB103K16	C5216,C523		CKSSYB103K16	
C4869,C487	0,C4890-C4893	CKSSYB103K16	C5215		CKSSYB472K25	
C4807,C480		CKSSYB104K10	C5253		CKSSYF103Z50	
	9,C4845,C4846,C4864	CKSSYF104Z16				
C4873,C488	1,C4884,C4886,C4887	CKSSYF104Z16	C5202-C521	4,C5219,C5222-C5232	CKSSYF104Z16	В
			C5234,C525	2	CKSSYF104Z16	
	1,C4924,C4925	CKSSYF104Z16	C5236		DCH1165	
C4844,C486	3,C4866,C4872,C4876	DCH1165				
C4882,C488	3	DCH1165	RESISTORS	3		
			R5262.R526		ACN1248	
RESISTORS	<u>S</u>		R5205,R521		RAB4CQ101J	_
R4975,R499		RD1/2LMF120J	R5283	•	RS1/16S1001F	
R4784,R478		RS1/16S1800F	R5282		RS1/16S4701F	
,	7,R4792,R4794,R4796	RS1/16S5600F	R5273		RS1/16S8201F	
R4791,R479		RS1/16S75R0F	110270		1101/10002011	
	0,R4944,R4985	RS1/16SS3301F	Other Resisto	ore	RS1/16S###J	
	-, - ,		Other resist	010	1101/100###0	
Other Resisto	ors	RS1/16S###J	OTHERS			С
				P CONNECTOR	AKM1201	
			K5201,K5202			
IF UCOM B	LOCK1		,		AKX9002	
SEMICOND	-		X5201 GEH	RAMIC RESONATOR	ASS1178	
IC5002	octons	LID64F2694FB				
		HD64F3684FP	ITEVT HOO	M DI OOKI		
IC5003		PST9230N	[TEXT UCO			-
IC5001		TC74VHC08FTS1	<u>SEMICOND</u>	<u>UCTORS</u>		
IC5004		TC7W126FU	IC5403		K4S641632H-TC75	
Q5005		DTA124EUA	IC5404		S29AL016D70TFI010	
05001		DTC104FIIA	IC5405		SDA6000	
Q5001		DTC124EUA	IC5407		TC74LCX125FT	
A DA OITO	20		IC5402		TC7SH04FUS1	D
CAPACITOR		0000011100150				
C5007,C500	8	CCSSCH180J50	IC5406		TC7W126FU	
C5001		CEHVKW101M6R3	Q5401,Q540	6	DTA124EUA	
C5010	F 05000 05040	CKSSYB472K25	Q5403,Q540	7	DTC124EUA	
C5002-C500	5,C5009,C5012	CKSSYF104Z16	D5404		1SS355	
	_		D5401		UDZS12(B)	
RESISTORS						_
	4,R5007,R5025,R5026	RAB4CQ103J	D5402		UDZS3R0(B)	
Other Resisto	ors	RS1/16S###J	D5403		UDZS3R9(B)	
<u>OTHERS</u>			COILS AND	FILTERS		
X5002 CER	RAMIC RESONATOR	ASS1168	⚠ F5402,F5403	B EMI FILTER	CCG1162	Е
X5001 CRY		ASS1172	,			E
			CAPACITOR	RS		
				8,C5453 (10/6.3V)	ACG7046	
MAIN UCO	M BLOCK1		C5422,C542	,	CCSSCH200J50	
SEMICOND			C5404	0	CKSSYB102K50	
IC5202	0010113	BR24L64F-W	C5403		CKSSYB103K16	
			C5445		CKSSYB104K10	
IC5206 IC5207		MB91305PMC-G-BND MBM29DL162TE70TN	00 170		5.1551B101IN10	
IC5207 IC5210		MBM29DL162TE70TN MM1522XU	C5405 C540	6,C5408,C5410,C5413	CKSSYF104Z16	
			,	8,C5420,C5425,C5427	CKSSYF104Z16	
IC5209		PQ200WNA1ZPH		1,C5434,C5435,C5440	CKSSYF104Z16	
IC5203		PST3628UR		6,C5449,C5451,C5454	CKSSYF104Z16	
	04		,	8,C5460,C5476	CKSSYF104Z16	F
IC5201,IC520 Q5202	04	TC74VHC125FTS1 2SJ461A	30-30,0043	5,55 155,55715	51.5511 10±210	Г
		2SJ461A DTC124EUA				
Q5204 Q5201						
Q5201		SM6K2				
			DD DOCYE			29
		P	DP-R06XE	_		

Mark No. Description RESISTORS	Part No.	Mark No. Description C6211,C6212,C6215-C6217	Part No. CKSSYF104Z16
R5409	ACN1251	C6222-C6224	CKSSYF104Z16
		00222 00224	0110011104210
R5404,R5428,R5429,R5434,R5435	BCN1067		
R5439,R5457,R5476	RAB4CQ103J	RESISTORS	
R5432,R5460	RAB4CQ680J	R6213,R6218,R6223	BCN1067
,			
Other Resistors	RS1/16S###J	R6202	RS1/16SS2701F
		Other Resistors	RS1/16S###J
OTHERS			
X5401 CRYSTAL	ASS1193		
		[HDMI BLOCK]	
		SEMICONDUCTORS	
[VDEC BLOCK]		•	DD04L00ELIM
		IC6402,IC6403	BR24L02FJ-W
SEMICONDUCTORS		IC6405	PCM1754DBQ
IC6002	K4S161622H-TC60	IC6404	SII9021CTU
		Q6416,Q6417	2SA1586
IC6001	TVP5150AM1PBS	·	
IC6003	UPD64015AGM-UEU	Q6412,Q6414	DTA124EUA
Q6002	DTA124EUA		
Q0002	D IT (IZ=ZOT	Q6413,Q6415	DTC124EUA
		· · · · · · · · · · · · · · · · · · ·	
COILS AND FILTERS		Q6402,Q6405	HN1K02FU
⚠ F6001,F6002 EMI FILTER	CCG1162	Q6403,Q6404	RN1902
		D6404,D6408	1SS301
	CCG1162	,	
		D6403,D6407	UDZS6R8(B)
CAPACITORS		00110 4115 511 555	
C6056,C6088 (10/6.3V)	ACG7046	COILS AND FILTERS	
		↑ F6401 EMI FILTER	CCG1162
C6059,C6060	CCSSCH100D50		3031102
C6078,C6083	CCSSCH8R0D50		
C6048-C6050	CKSRYB105K10	<u>CAPACITORS</u>	
		C6491 (10/6.3V)	ACG7046
C6062,C6069,C6070,C6074,C6080	CKSSYB103K16		
		C6401,C6403,C6405,C6407,C6409	CCSSCH101J50
C6046,C6051,C6052,C6054,C6058	CKSSYB104K10	C6411,C6419,C6426,C6428,C6430	CCSSCH101J50
		C6432,C6434,C6435,C6438,C6440	CCSSCH101J50
C6063,C6064,C6066,C6067	CKSSYB104K10		
C6072,C6073,C6075-C6077	CKSSYB104K10	C6442,C6444,C6446,C6448,C6449	CCSSCH101J50
C6081,C6082,C6084,C6085	CKSSYB104K10		
C6001-C6008,C6012-C6028	CKSSYF104Z16	C6454,C6456,C6459,C6464,C6466	CCSSCH101J50
33301 33300,33312 33020	5	C6468,C6470,C6472,C6474,C6476	CCSSCH101J50
C6031-C6045,C6047,C6053,C6055	CKSSYF104Z16	C6478,C6480,C6482	CCSSCH101J50
C6061,C6065,C6068,C6071,C6079	CKSSYF104Z16	C6462,C6463	CCSSCH120J50
C6090,C6091	CKSSYF104Z16	C6425,C6484	CEHVKW220M6
RESISTORS		C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16
	1014040	C6412,C6414,C6416,C6418	CKSSYF104Z16
R6010,R6062,R6068,R6072	ACN1246		
R6065,R6073	BCN1067	C6420-C6424,C6427,C6429,C6431	CKSSYF104Z16
R6007,R6023,R6030,R6071	RAB4CQ220J	C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16
		C6443.C6445.C6447.C6450-C6453	CKSSYF104Z16
R6063	RS1/16SS1001D	22.12,22.13,23.11,00100 00100	
R6038,R6039,R6049	RS1/16SS2000F	00.455 00.555 00.555	01/06: /= : : :=
		C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16
DC0E4	DC1/16CC0001D	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16
R6054	RS1/16SS2201D	C6475,C6477,C6479,C6481,C6483	CKSSYF104Z16
R6052	RS1/16SS6200D		
Other Resistors	RS1/16S###J	C6490	CKSSYF104Z16
OTHERS		<u>RESISTORS</u>	
	ACC1100	R6418,R6419,R6421	ACN1251
X6001 CRYSTAL	ASS1189	R6414	RAB4CQ100J
X6002 CRYSTAL	ASS1191		
		R6465	RAB4CQ103J
		R6438	RAB4CQ470J
IADO DI OCICI		R6416	RAB4CQ680J
[ADC BLOCK]			10 0000
SEMICONDUCTORS		Other Resistors	RS1/16S###J
IC6201	AD9985KSTZ-110	Other 1169191019	1101/100###J
.55201		OTHERS	
COIL & AND EILTERS		<u>OTHERS</u>	
COILS AND FILTERS		JA6401,JA6402 HDMI CONNECTOR	AKP1278
	CCG1162	X6401 CRYSTAL	ASS1192
			= = · · · = =
<u>CAPACITORS</u>			
	CKSSYB104K10	IDSEL BLOCKI	
C6205 C6209		[DSEL BLOCK]	
C6205,C6209	CKSSYB473K16	SEMICONDUCTORS	
C6207,C6210,C6218	01/00104/01/10		
•	CKSSYB822K16	100001	DDCEOO A
C6207,C6210,C6218 C6202	CKSSYB822K16	IC6601	PD6523A
C6207,C6210,C6218 C6202 C6201	CKSSYB822K16 CKSSYB823K10	IC6601 IC6602	PD6523A TC74LCX125FT
C6207,C6210,C6218 C6202	CKSSYB822K16		

PDP-R06XE

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5	6	-	7		8	
Mark No. Description	Part No.	Mark No.		<u>Description</u>	Part No.	
COILS AND FILTERS		RESIST				
1 F6604 CHIP FERRITE BEAD	ATX1058			24,R7032,R7036	ACN1246	
	CCG1162	R7062-F			ACN1251	Δ
NADACITORS		R7015,F	R7023 R7018,R70	70	RAB4CQ101J	P
CAPACITORS C6632 (10/6 2)/)	ACG7046	H7016,F R7060	1/U10,H/U	70	RAB4CQ103J RAB4CQ680J	
C6632 (10/6.3V) C6604	ACG7046 CCSRCH221J50	117000			11/10-70-00000	
C6631	CKSSYB102K50	Other R	esistors		RS1/16S###J	
C6601-C6603,C6607-C6610	CKSSYF104Z16					
C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16					
		[MR IF B	_			_
C6625-C6627,C6629,C6630	CKSSYF104Z16	SEMICO	NDUCT	<u>ORS</u>		
RESISTORS		IC7202	107000		SII170BCLG64	
R6603-R6605	ACN1251	IC7201, Q7206	10/203		TC74VHC08FTS1 2SA1586	
R6611,R6614,R6618	BCN1071		Q7207,Q72	210	DTA124EUA	
R6613,R6620	RAB4CQ101J	Q7211			DTC124EUA	E
Other Resistors	RS1/16S###J	··			·	
		Q7209			HN1C01FU	
<u>OTHERS</u>		Q7201			RN1902	
X6601 CRYSTAL	ASS1194	D7202-I	D7206		1SS355	
		COLLE	/ VID Eii .	TEDO		I
D DI OCKI		<u>COILS A</u> ∴ F7204-F			ATF1209	
P BLOCK]			-	RITE BEAD	BTX1042	
EMICONDUCTORS	V40040000LT000	-	-	08 EMI FILTER	CCG1162	
IC6801,IC6802 IC6803	K4S643232H-TC60 PE5504B		,- ·	· · · · · · · · · ·		
100000	F E3304D	CAPACI	TORS			
OILS AND FILTERS				08 (10/6.3V)	ACG7046	C
L6801-L6804 CHIP FERRITE BEAL	BTX1042	C7226,0			CCSSCH100D50	
				11,C7213,C7214	CCSSCH101J50	
CAPACITORS		C7216,0 C7223	C7217,C72	19,07221	CCSSCH101J50 CKSSYB102K50	
C6801 (10/6.3V)	ACG7046	0/223			ONOO 10 102NOU	
C6863	CKSSYB102K50	C7209.0	C7215,C72	20,C7225,C7228	CKSSYB471K50	_
C6802,C6804,C6807-C6809,C6813	CKSSYF104Z16			06,C7210,C7212	CKSSYF104Z16	
C6815-C6817,C6821,C6824-C6828 C6830,C6831,C6834,C6835	CKSSYF104Z16 CKSSYF104Z16	C7218,0	27224		CKSSYF104Z16	
00000,00001,00004,00000	01.0011 10 1 210	DE0:0-	000			
C6839-C6862	CKSSYF104Z16	RESIST	UKS		DAD400404 !	
		R7215 R7216			RAB4CQ101J RS1/16S5100F	
RESISTORS		Other R	esistors		RS1/16S5100F RS1/16S###J	
R6833,R6838	ACN1246	3000	20.01010			
R6841,R6844-R6847	ACN1251	OTHERS	<u>S</u>			
R6813,R6814,R6816,R6820,R6821 R6823,R6825,R6827,R6828	BCN1067 BCN1067		20P SO	CKET	AKP1226	
R6818	BCN1067 BCN1071	CN7202	24P DVI	SOCKET	AKP1250	
	20.1.071					_
R6832	RAB4CQ101J					
R6817	RAB4CQ470J	DEAD	IO 400	·V		
Other Resistors	RS1/16S###J	REAR				
		COILS A		I EKS	LOTALISON INTER	
MULTI BLOCK]		L7401,L	.7402		LCTAW560J2520	
SEMICONDUCTORS		CAPACI	TORS			E
IC7001	PEG121B	C7404,0			CKSRYB102K50	
IC7001 IC7002	S29JL032H70TFI21	C7404,0			CKSRYB102K50	
IC7004	TC74VHC08FTS1	37 701 (5.15.1121001110	
	-	RESIST	<u>ORS</u>			
OILS AND FILTERS		R7401-F			RS1/16S75R0F	_
F7001-F7006 EMI FILTER	CCG1162	Other R	esistors		RS1/16S###J	
A DA OLTO DO		AT: :== :	•			
CAPACITORS	01/00/75 / 201/5-	OTHERS		• • • • • • • • • • • • • • • • • • • •	ALCDAGG	
C7052	CKSSYB102K50		3P PIN J		AKB1321	
C7006,C7008,C7010-C7017,C7019 C7021,C7023,C7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16		3P PIN J	-	AKB1328 CKS3826	
C7032-C7034,C7036,C7037	CKSSYF104Z16	ON/402	. JOININE	0.011	UN00020	F
C7039-C7042,C7044,C7046-C7048	CKSSYF104Z16					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
C7050	CKSSYF104Z16					
		PDP-R06XF				31
		FUE-BUDXE				

PDP-R06XE

	1	2	3		4
	Mark No. Description	Part No.	Mark No.	Description	Part No.
-	SR ASSY		LED ASSY		
				07000	
	SEMICONDUCTORS	MANAGOGODINA	SEMICONDUC	CIORS	DT4 40 45114
	IC7601	MAX3232CPW	Q8003		DTA124EUA
	IC7603 IC7602	TC74VHC00FTS1 TC74VHC125FTS1	Q8004		DTC124EUA RN2902
	Q7601,Q7605	2SA1586	Q8002 D8001		SML-311DT
	Q7603	2SC4116	D8003		SML-311UT
	4,000	2001110	20000		OME OTTO
	Q7602,Q7604,Q7606	DTC124EUA	D8004		SML310BA1T
	D7609-D7612	1SS355			
			SWITCHES A	ND RELAYS	
	<u>CAPACITORS</u>		S8001-S8006		ASG1088
	C7608,C7611	CEHVKW100M16			
	C7603-C7607,C7609,C7610	CKSSYF104Z16	CAPACITORS		
	DECICTORS		C8005,C8006		CCSRCH101J50
	RESISTORS	DC4/400###1	C8001,C8002		CKSSYF104Z16
	All Resistors	RS1/16S###J	DECICTORS		
	OTHERS		RESISTORS		DC4/4CC###1
	JA7603 4P MINI JACK	AKN1073	All Resistors		RS1/16S###J
	CN7602 9P D-SUB SOCKET	AKN1073 AKP1213	OTHERS		
	CN7601 CONNECTOR	CKS3826	CN8001 CONI	NECTOR	CKS3826
	JA7602 REMOTE CONTROL JACK		CINOUUT COINI	NECTOR	UN33826
			POWER SU	PPLY UNIT	
	FRONT ASSY			Unit has no service pa	rt.
	SEMICONDUCTORS		2.1.2.1.001121	oo 11100 pa	-
	IC7801	BR24C21FJ			
	IC7802	TC74VHC08FTS1			
	Q7806-Q7808	2SC4116			
	Q7804,Q7805	DTC124EUA			
	•		_ =====================================		
	D7813	1SS301	■ FOR PDP-	R06FE	
	D7813	1SS301			Part No
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803	1SS301 1SS302 UDZS5R1(B)	Mark No. MR MAIN A	Description	<u>Part No.</u>
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN AS OTHERS FRONT END	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY OCK]	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCTION	Description SSY OCK]	AXF1149 AXY1117
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004	Description SSY OCK]	AXF1149 AXY1117 2SA1586
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK]	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001 Q4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUS Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS R4021-R4023 R4007 Other Resistors OTHERS CN4008,CN401 12P F	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7803 12P FFC CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR CN7801 MINI JACK	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1236 AKN1028	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233

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Mark No. Description [RGB BLOCK] SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4213 (2220,C4244,C4269 C4273 C4205,C4216,C4219,C4221,C4222	Part No. BD6522F MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429 CCSSCH101J50	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	Part No. ACG7046 ACG7046 ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50 CKSSYB103K16	A B
SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4404,C4407 C4416,C4429 C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4459 (10/6.3V) ;/50V) ,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4424 (3.3UF C4449 C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4449 C4442 C44417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW470M16 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
TF4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	ı
EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSSYB102K50 CKSSYB102K50	
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4461 ,C4446	CKSSYB102K50	
C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACH1394 ACH1429	C4408,C4439 C4438,C4454 C4402,C4405	,C4446		
C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACH1394 ACH1429	C4438,C4454 C4402,C4405	,-	01/00/101/00/10	
C4210,C4244,C4269 C4273	ACH1429	C4402,C4405			
C4273		C4402,C4405		CKSSYB472K25	
	CCSSCH101.I50	•	,C4425,C4426,C4432	CKSSYF104Z16	
	CCSSCH101.I50	C4434.C4435	,C4447,C4451,C4460	CKSSYF104Z16	
C4205,C4216,C4219,C4221,C4222		C4465	, , ,	CKSSYF104Z16	
	CEHVKW101M6R3	C4414,C4437	,C4445	DCH1165	С
C4224,C4228,C4238,C4264	CEHVKW101M6R3				
C4226	CEHVKW220M16	RESISTORS			
C4214	CKSRYB104K16	All Resistors		RS1/16S###J	
C4203,C4217,C4223	CKSRYB105K10				
C4229,C4252	CKSSYB104K10	<u>OTHERS</u>			_
C4232	CKSSYB471K50	X4401 CRYS	STAL (18.432MHz)	ASS1196	
C4204,C4212,C4227,C4251	CKSSYF104Z16				
		[AV/10 DI 00	1/21		
C4261,C4262	CKSSYF104Z16	[AV IO BLOC	-		
C4211,C4225,C4256	DCH1165	SEMICONDU	<u>JCTORS</u>		
DECICTORS			5,Q4626,Q4639	2SA1586	_
RESISTORS	DO4/400/4/4/1	· · · · · · · · · · · · · · · · · · ·	2,Q4645,Q4646	2SA1586	D
All Resistors	RS1/16S###J		5,Q4607,Q4608	2SC4116	
		Q4618-Q4620 Q4632-Q4636),Q4622-Q4624,Q4629	2SC4116 2SC4116	
[TUNER BLOCK]		Q4032-Q4030),Q4043	2304110	
SEMICONDUCTORS		Q4611,Q4612)	2SD2114K	
· · · · · · · · · · · · · · · · · · ·	MOD04470		5,Q4621,Q4631	DTA124EUA	
IC4401 Q4404	MSP3417G	Q4610		DTA143EUA	_
Q4404 Q4401,Q4402	2SA1586 2SC4116	Q4613,Q4617	,	DTC124EUA	
Q4414 Q4414	DTA124EUA	Q4601,Q4609	,Q4625,Q4630	HN1A01FU	
Q4410,Q4413,Q4415	DTC124EUA				
Q1110,Q1110,Q1110	213121237	Q4644		HN1C01FU	
Q4407,Q4408	HN1A01FU	·	,D4611,D4621	1SS301	Е
Q4405	HN1B04FU	D4606,D4626		1SS355	_
Q4409	HN1C01FU	OOU C AND	EU TEDO		
D4401	UDZS33(B)	COILS AND		LOTANA LOTA	
D4403	UDZS8R2(B)	L4602,L4604,	L4606,L4608	LCTAW1R0J2520	
0011 0 AND =11 T===		L4611,L4612 L4601,L4603,	I 4605 I 4607	LCTAW1R0J2520 LCTAW560J2520	
COILS AND FILTERS		L4609,L4610	L+000,L400/	LCTAW560J2520 LCTAW560J2520	
L4401-L4403 CHIP COIL	BTH1119	L+003,L+010		_O 17 17 4 0 0 0 0 C 0 C 0	
L4405,L4406	LCTAW150J2520	SWITCHES	AND RELAYS		
L4407	LCTAW4R7J2520	S4601		ASH1029	
L4404 F4401,F4402 FERRITE BEAD	LCTAW8R2J2520 VTF1080	0.001			
1 7701,1 4402 I LARITE DEAD	V 11 1000				
					F

PDP-R06XE

	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	CAPACITORS	S		C4807,C4809		CKSSYB104K10
		C4620 (10/6.3V)	ACG7046	C4801,C4819,	C4845,C4846,C4864	CKSSYF104Z16
		C4636 (10/6.3V)	ACG7046	C4873,C4884,	C4886,C4887	CKSSYF104Z16
Α	C4662 (100UF		ACH1394	C4917-C4920,		CKSSYF104Z16
	C4607,C4611,	C4617,C4619,C4624	CCG1205	C4844,C4863,	C4866,C4872,C4876	DCH1165
	C4628,C4643,	C4649	CCG1205			
				RESISTORS		
	C4602,C4623,		CEHAT471M10	R4784,R4786	D. 4700 D. 470 4 D. 4700	RS1/16S1800F
	C4606,C4608,		CKSRYB105K10		R4792,R4794,R4796	RS1/16S5600F
	C4615,C4616, C4631-C4633,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10 CKSRYB105K10	R4791,R4793, R4857-R4860,		RS1/16S75R0F RS1/16SS3301F
	,	C4650,C4652-C4654	CKSRYB105K10	Other Resistor	· · · · · · · · · · · · · · · · · · ·	RS1/16S###J
	04040,04040,	04000,04002 04004	CHOITIBIOGHTO	Other resistor	5	1101/100/////
	C4610,C4613,	C4627,C4630	CKSSYB102K50			
	C4647,C4648		CKSSYB102K50	[IF UCOM BL	OCK]	
В			CKSSYB102K50	SEMICONDU	ICTORS	
ь		C4622,C4637,C4651	CKSSYF104Z16	IC5002		HD64F3684FP
	C4603,C4625,	C4638	DCH1165	IC5003		PST9230N
	DECICTORS			IC5001		TC74VHC08FTS1
	RESISTORS	D.4000	D04/400404 I	IC5004		TC7W126FU
	R4608,R4670,		RS1/10S121J	Q5005		DTA124EUA
_	R4734,R4735	R4645,R4658,R4686	RS1/10S151J RS1/10S151J	0.500		DTG (C)FILE
	·	,R4643,R4675,R4681	RS1/16S75R0F	Q5001		DTC124EUA
	R4715-R4717,		RS1/16S75R0F	CARACITOR	c	
	,		. 10 17 1007 01 101	CAPACITORS	<u> </u>	0000011400150
	Other Resistors	S	RS1/16S###J	C5007,C5008 C5001		CCSSCH180J50 CEHVKW101M6R3
				C5010		CKSSYB472K25
С	<u>OTHERS</u>			C5002-C5005,	.C5009.C5012	CKSSYF104Z16
Ū		CONNECTOR (DUAL)	AKP1265		, ,	
	JA4602 RGB	CONNECTOR	AKP1266	RESISTORS		
				R5002,R5004,	R5007,R5025,R5026	RAB4CQ103J
	TAV CW DI O	℃ L1		Other Resistor	S	RS1/16S###J
	[AV SW BLOC	-				
	SEMICONDU	ICTORS	N. IN 44 000 4) /	<u>OTHERS</u>		
	IC4805 IC4806		NJM12904V R2S11001FT		MIC RESONATOR	ASS1168
	IC4804		R2S11001F1	X5001 CRYS	IAL	ASS1172
		,Q4804-Q4806,Q4809	2SA1586			
	Q4818,Q4820	•	2SA1586	[MAIN UCOM	BI OCKI	
	•			SEMICONDU		
D	Q4812,Q4813		2SC4116		icions	BR24L64F-W
	Q4814		DTA124EUA	IC5202 IC5206		MB91305PMC-G-BND
	Q4815		DTC124EUA	IC5207		MBM29DL162TE70TN
	Q4807		HN1B04FU	IC5210		MM1522XU
	D4802		1SS301	IC5209		PQ200WNA1ZPH
	D4801		1SS355			
_				IC5203		PST3628UR
	CAPACITORS	<u>S</u>		IC5201 Q5202		TC74VHC125FTS1 2SJ461A
	C4916 (4.7U/1	0V)	ACG1122	Q5202 Q5204		DTC124EUA
	C4821,C4835,	C4871,C4875 (10/6.3V)	ACG7046	Q5201		SM6K2
	C4877,C4880		CCSRCH181J50			
Ε	C4859		CCSRCH331J50	D5203		1SS355
	C4861		CCSRCH680J50	D5201		SML-311UT
	C4885,C4888		CCSRCH681J50	CADACITOD	•	
	C4822,C4862		CEHVKW101M6R3	CAPACITORS	<u>5</u>	0000011004150
	C4802,C4805,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10	C5235 C5244,C5245		CCSRCH221J50 CCSSCH120J50
		C4820,C4833,C4834	CKSRYB105K10	,	C5237,C5239-C5243	CCSSCH470J50
	C4836,C4838-	·C4841,C4847,C4848	CKSRYB105K10	C5246-C5249		CCSSCH470J50
	C4850,C4851,	C4878 C4879	CKSRYB105K10	C5238		CEHVKW100M35
	C4899-C4905		CKSRYB105K10			
	C4837		CKSRYB474K10	C5201		CEHVKW101M6R3
	C4853-C4858,	,C4860,C4865	CKSSYB103K16	C5261-C5263		CKSSYB102K50
F	C4869,C4870,	C4890-C4893	CKSSYB103K16	C5216,C5233		CKSSYB103K16
				C5215 C5253		CKSSYB472K25 CKSSYF103Z50
				00200		51.05 IT 100200

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Mark No. Description	Part No.	Mark No. Description	Part No.	
C5202-C5209,C5211-C5214,C5219	CKSSYF104Z16	COILS AND FILTERS		
C5222-C5232,C5234,C5252	CKSSYF104Z16	<u>↑</u> F6001,F6002,F6010,F6011	CCG1162	
C5236	DCH1165	EMI FILTER		
RESISTORS		CAPACITORS		
R5262,R5268	ACN1248	C6056,C6088 (10/6.3V)	ACG7046	
R5205,R5213	RAB4CQ101J	C6078,C6083	CCSSCH8R0D50	
R5283	RS1/16S1001F	C6062,C6069,C6070,C6074,C6080	CKSSYB103K16	
R5282	RS1/16S4701F	C6046,C6058,C6063,C6064	CKSSYB104K10	
R5273	RS1/16S8201F	C6066,C6067,C6072,C6073	CKSSYB104K10	
Other Resistors	RS1/16S###J	C6075-C6077,C6081,C6082	CKSSYB104K10	
		C6084,C6085	CKSSYB104K10	
<u>OTHERS</u>		C6001-C6008,C6012-C6028	CKSSYF104Z16	
CN5202 50P CONNECTOR	AKM1201	C6031-C6045,C6065,C6068,C6071	CKSSYF104Z16	
K5201,K5202 TEST PIN	AKX9002	C6079,C6090,C6091	CKSSYF104Z16	
X5201 CERAMIC RESONATOR	ASS1178	RESISTORS		
		RESISTORS R6010,R6068,R6072	ACN1246	
TEXT UCOM BLOCK]		R6065,R6073	BCN1067	
SEMICONDUCTORS		R6007,R6030,R6071	RAB4CQ220J	
IC5403	K4S641632H-TC75	R6063	RS1/16SS1001D	
IC5404	S29AL016D70TFI010	R6038,R6039,R6049	RS1/16SS2000F	
IC5405	SDA6000	DCOE 4	D04/400000045	
IC5407	TC74LCX125FT	R6054 R6052	RS1/16SS2201D RS1/16SS6200D	
IC5402	TC7SH04FUS1	Other Resistors	RS1/16S86200D RS1/16S###J	
IC5406	TC7W126FU	Carlot Hoololoro	11017100111110	
Q5401,Q5406	DTA124EUA	<u>OTHERS</u>		
Q5403,Q5407	DTC124EUA	X6002 CRYSTAL	ASS1191	
D5404	1SS355			
D5401	UDZS12(B)	IADO DI COLO		
D5402	UDZS3R0(B)	[ADC BLOCK]		
D5402 D5403	UDZS3R0(B)	SEMICONDUCTORS	AD00051/077 440	
	3223. (0)	IC6201	AD9985KSTZ-110	
COILS AND FILTERS		COILS AND FILTERS		
Ŋ F5402,F5403 EMI FILTER	CCG1162	⚠ F6201,F6204 EMI FILTER	CCG1162	
CAPACITORS				
C5412,C5438,C5453 (10/6.3V)	ACG7046	CAPACITORS		
C5422.C5423	CCSSCH200J50	C6205,C6209	CKSSYB104K10	
C5404	CKSSYB102K50	C6207,C6210,C6218	CKSSYB473K16	
C5403	CKSSYB103K16	C6202 C6201	CKSSYB822K16 CKSSYB823K10	
C5445	CKSSYB104K10	C6201,C6204,C6206,C6208	CKSSYF104Z16	
C5405,C5406,C5408,C5410,C5413	CKSSYF104Z16			
C5405,C5406,C5408,C5410,C5413 C5416,C5418,C5420,C5425,C5427	CKSSYF104Z16 CKSSYF104Z16	C6211,C6212,C6215-C6217	CKSSYF104Z16	
C5429-C5431,C5434,C5435,C5440	CKSSYF104Z16	C6222-C6224	CKSSYF104Z16	
C5442,C5446,C5449,C5451,C5454	CKSSYF104Z16	RESISTORS		
C5456,C5458,C5460,C5476	CKSSYF104Z16	R6213,R6218,R6223	BCN1067	
250107070		R6202	RS1/16SS2701F	
RESISTORS	AON4054	Other Resistors	RS1/16S###J	
R5409	ACN1251		-	
R5404,R5428,R5429,R5434,R5435 R5439,R5457,R5476	BCN1067 RAB4CQ103J			
R5432,R5460	RAB4CQ103J	[HDMI BLOCK]		
Other Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>		
		IC6403	BR24L02FJ-W	
<u>OTHERS</u>		IC6405	PCM1754DBQ	
X5401 CRYSTAL	ASS1193	IC6404 Q6416	SII9021CTU 2SA1586	
		Q6414	DTA124EUA	
VDEC BLOCK]				
SEMICONDUCTORS		Q6415	DTC124EUA	
IC6002	K4S161622H-TC60	Q6405	HN1K02FU	
IC6002 IC6003	UPD64015AGM-UEU	Q6404 D6408	RN1902	
	SI DOTO IONGIVITULU	D6408 D6407	1SS301 UDZS6R8(B)	
		50-101	35230110(B)	
	PI	OP-R06XE		35
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	Mark No. Description	Part No.	Mark No.	Description	Part No.
	<u>COILS AND FILTERS</u> <u></u> ↑ F6401 EMI FILTER	CCG1162	[IP BLOCK] SEMICONDUC IC6801,IC6802	CTORS	K4S643232H-TC60
	CAPACITORS	1007010	IC6803		PE5504B
	C6491 (10/6.3V) C6401,C6403,C6405,C6407,C6411	ACG7046 CCSSCH101J50	COILS AND F	ILTERS	
	C6419,C6426,C6428,C6430,C6432	CCSSCH101J50		CHIP FERRITE BEAD	BTX1042
	C6434,C6435,C6438,C6440,C6442 C6444,C6446,C6448,C6449,C6454	CCSSCH101J50 CCSSCH101J50	CAPACITORS		
	00450 00450 00404 00400 00400	000001404150	C6801 (10/6.3V		ACG7046
	C6456,C6459,C6464,C6466,C6468 C6470,C6472,C6474,C6476,C6478	CCSSCH101J50 CCSSCH101J50	C6863	6807-C6809,C6813	CKSSYB102K50 CKSSYF104Z16
	C6480,C6482 C6462,C6463	CCSSCH101J50 CCSSCH120J50	C6815-C6817,C	6821,C6824-C6828	CKSSYF104Z16
	C6484	CEHVKW220M6R3	C6830,C6831,C	6834,C6835	CKSSYF104Z16
	C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16	C6839-C6862		CKSSYF104Z16
	C6412,C6414,C6416,C6418,C6420	CKSSYF104Z16	RESISTORS		
	C6422,C6423,C6427,C6429,C6431 C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16 CKSSYF104Z16	R6833,R6838		ACN1246
	C6443,C6445,C6447,C6450,C6451	CKSSYF104Z16	R6841,R6844-F		ACN1251
	C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16	R6823,R6825,F	86816,R6820,R6821 86827,R6828	BCN1067 BCN1067
	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16	R6818		BCN1071
	C6475,C6477,C6479,C6481,C6483 C6490	CKSSYF104Z16 CKSSYF104Z16	R6832		RAB4CQ101J
		010011104210	R6817 Other Resistors		RAB4CQ470J RS1/16S###J
	RESISTORS	AON4054	Other Resistors		NS1/105###J
	R6418,R6419,R6421 R6414	ACN1251 RAB4CQ100J		Z1	
	R6465	RAB4CQ103J	[MULTI BLOCI		
	R6438 R6416	RAB4CQ470J RAB4CQ680J	IC7001	<u> </u>	PEG121B
	Other Resistors	RS1/16S###J	IC7002 IC7004		S29JL032H70TFI21 TC74VHC08FTS1
		N31/103###J			
	OTHERS JA6402 HDMI CONNECTOR	AL/D1070	COILS AND F		CCG1162
	X6401 CRYSTAL	AKP1278 ASS1192			0001102
			CAPACITORS C7052		CKSSYB102K50
	[DSEL BLOCK]			7010-C7017,C7019	CKSSYF104Z16
	<u>SEMICONDUCTORS</u>		C7021,C7023,C C7032-C7034,C	7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16
	IC6601 IC6602	PD6523A TC74LCX125FT		7044,C7046-C7048	CKSSYF104Z16
			C7050		CKSSYF104Z16
	COILS AND FILTERS ⚠ F6604 CHIP FERRITE BEAD	ATX1058			-
	⚠ F6601-F6603 EMI FILTER	CCG1162	RESISTORS B7011.B7013.B	7024,R7032,R7036	ACN1246
	CAPACITORS		R7062-R7064		ACN1251
	C6632 (10/6.3V)	ACG7046	R7015,R7023 R7016,R7018,F	7070	RAB4CQ101J RAB4CQ103J
	C6604	CCSRCH221J50	R7060	17070	RAB4CQ680J
	C6631 C6601-C6603,C6607-C6610	CKSSYB102K50 CKSSYF104Z16	OIL D		DO4/400/4/4/1
	C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16	Other Resistors		RS1/16S###J
	C6625-C6627,C6629,C6630	CKSSYF104Z16	[MR IF BLOCK	n	
	RESISTORS		SEMICONDUC	-	
	R6603-R6605	ACN1251	IC7202		SII170BCLG64
	R6611,R6614,R6618	BCN1071	IC7201,IC7203 Q7206		TC74VHC08FTS1 2SA1586
	R6613,R6620 Other Resistors	RAB4CQ101J RS1/16S###J	Q7203,Q7207,C	27210	DTA124EUA
			Q7211		DTC124EUA
	OTHERS X6601 CRYSTAL	ASS1194	Q7209		HN1C01FU
			Q7201 D7202-D7206		RN1902 1SS355
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Mark No. Description	Part No.	Mark No. Description	Part No.	
COILS AND FILTERS		FRONT ASSY		
♠ F7204-F7207 EMI FILTER ♠ L7201 CHIP FERRITE BEAD	ATF1209	SEMICONDUCTORS		
⚠ F7201-F7203,F7208 EMI FILTER	BTX1042 CCG1162	D7801-D7803	UDZS5R1(B)	Α
	0001102	D7804,D7808	UDZS9R1(B)	
<u>CAPACITORS</u>		COILS AND FILTERS		
C7203,C7207,C7208 (10/6.3V) C7226,C7227	ACG7046 CCSSCH100D50	L7801,L7802	LCTAW1R0J2520	
C7201,C7204,C7211,C7213,C7214	CCSSCH101J50	O A DA OLTODO		
C7216,C7217,C7219,C7221	CCSSCH101J50	CAPACITORS C7803.C7804	CKSRYB103K50	
C7223	CKSSYB102K50	C7805,C7808,C7809,C7813	CKSRYB105K10	
C7209,C7215,C7220,C7225,C7228	CKSSYB471K50	C7801	CKSRYB473K16	
C7202,C7205,C7206,C7210,C7212	CKSSYF104Z16		CKSSYB102K50 CKSSYF104Z16	
C7218,C7224	CKSSYF104Z16	07002,07000-07000	010011104210	
RESISTORS		C7835	DCH1165	В
R7215	RAB4CQ101J	RESISTORS		
R7216	RS1/16S5100F	R7801,R7803,R7809	RS1/16S75R0F	
Other Resistors	RS1/16S###J	Other Resistors	RS1/16S###J	
<u>OTHERS</u>		OTHERS		
CN7201 20P SOCKET	AKP1226	JA7803 3P PIN JACK	AKB1303	
CN7202 24P DVI SOCKET	AKP1250	CN7803 12P FFC CONNECTOR	AKM1233	
		CN7804 50P CONNECTOR	AKM1236	
		JA7801 4P MINI DIN SOCKET	AKP1238	
REAR IO ASSY				С
COILS AND FILTERS	LOTANA/500 10500	1 ED 400V		C
L7401,L7402	LCTAW560J2520	LED ASSY		
<u>CAPACITORS</u>		SEMICONDUCTORS Q8004	DTC124EUA	
C7404,C7405	CKSRYB102K50	Q8004 Q8002	RN2902	
C7401-C7403	CKSRYB105K10	D8003	SML-311UT	
RESISTORS		D8004	SML310BA1T	_
R7401-R7403	RS1/16S75R0F	SWITCHES AND RELAYS		
Other Resistors	RS1/16S###J	S8001-S8006	ASG1088	
OTHERS		O A DA OLTO DO		
JA7402 3P PIN JACK	AKB1328	CAPACITORS C8005,C8006	CCSRCH101J50	D
CN7402 CONNECTOR	CKS3826	C8001,C8002	CKSSYF104Z16	
JA7401 3P PIN JACK	PKB1034			
		RESISTORS	D04/400/11/11/1	
07.1007		All Resistors	RS1/16S###J	
SR ASSY		<u>OTHERS</u>		
SEMICONDUCTORS IC7601	MAX3232CPW	CN8001 CONNECTOR	CKS3826	
IC7601	TC74VHC125FTS1			
CAPACITORS	0510/////	POWER SUPPLY UNIT		Е
C7608 C7603-C7607.C7610	CEHVKW100M16 CKSSYF104Z16	POWER SUPPLY Unit has no service pa	art.	L
2.222 2.00.,0.0.0				
<u>RESISTORS</u>				
All Resistors	RS1/16S###J			
OTHERS				
CN7602 9P D-SUB SOCKET	AKP1213			_
CN7601 CONNECTOR	CKS3826			
				F

6. ADJUSTMENT

1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. Replacement of individual components on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.

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2. Use a stable AC power supply.

6.1 POSSIBLE CASES WHERE READJUSTMENT IS REQUIRED

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■ When any of the following assemblies is replaced

В (POWER SUPPLY Unit	No adjustment required
(MR MAIN Assy	No adjustment required
(PC Card Module	No adjustment required
• (R06 D-TUNER Assy	No adjustment required
(Other assemblies	No adjustment required

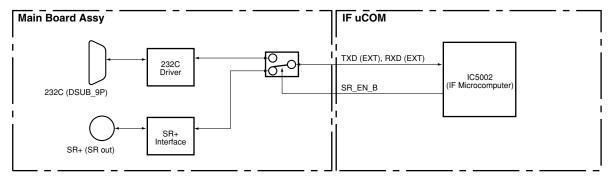
O	■ When any part in the following	assem	blies is replaced
	POWER SUPPLY Unit	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	MR MAIN Assy	→	Replacement of components IC4804, IC4806, IC5207, IC6001, IC6003 and IC6201 on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.
D	PC Card Module	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	R06 D-TUNER Assy	→	The assembly must be replaced as a unit, and no part replacement is allowed.
I	Other assemblies	→	No adjustment required

PDP-R06XE

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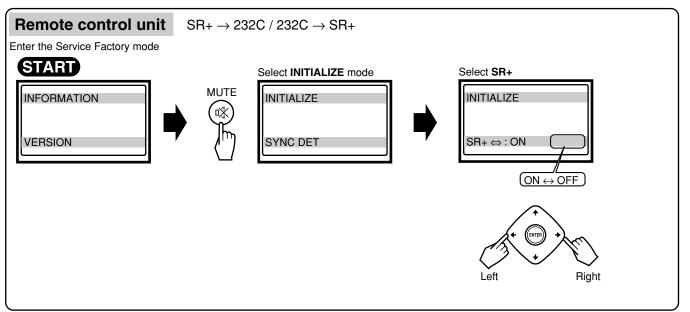
For the PDP-436HD and PDP-506HD series Plasma Displays, the circuitry is structured as shown in the diagram below to support the SR+ system. Controlling with either the SR+ system or RS-232C commands can be selected. As the SR+ system is selected at shipment, to control with RS-232C commands in servicing it is necessary to switch the paths. After servicing, be sure to return the setting to the SR+ system.

Rough diagram of switching between SR+ and RS-232C



● How to switch from SR+ to RS-232C

5



Tips: How to change the SR+/RS-232C setting without entering Service Factory mode

Hold the **VOLUME** ⊿+ or ⊿− key on the remote control unit pressed for 3-10 seconds during Standby mode. Then within 3 seconds after the key is released, hold the **2-screen ③** key on the remote control unit pressed for 3-10 seconds. Then within 3 seconds after the key is released, use the **SET** key on the remote control unit to set to RS-232C (the baud rate last selected is chosen) or the **HOME MENU** key to set to SR+.

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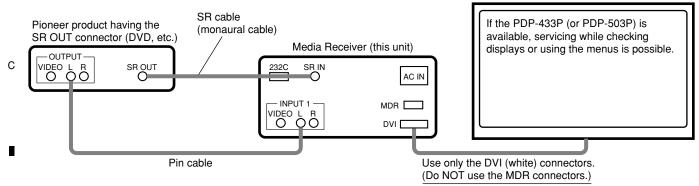
6.3 SERVICING USING ONLY THE MEDIA RECEIVER

For servicing of the PDP-436HD and PDP-506HD-series Plasma Display using only the Media Receiver, the following two methods can be used:

Operations using a Media Receiver alone are provided for rewriting software and essentially are not guaranteed as proper operations. As video signals are output during those operations, when the plasma display is connected to the Media Receiver, as shown in the connection examples below, you can check the signals on the screen. However, when a plasma display model prior to the PDP-433P(or PDP-503P) is connected, noise may appear in the signals. To check functions or operations, be sure to use a PDP-436P(or PDP-506P).

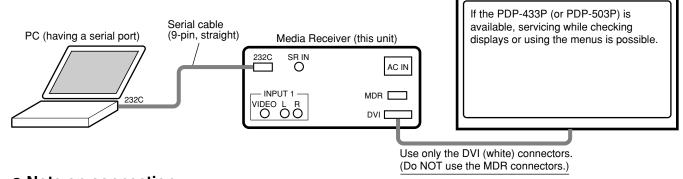
Remote controlling using SR connections (Except PDP-R06FE) About connections

- Connect the SR OUT connector of a Pioneer product having that connector (a DVD in the following example) and the SR IN connector of the Media Receiver, using the SR cable. As the remote control sensor is not provided with the Media Receiver, this connection is required for using the remote control unit if the panel is not available. In this case, aim the remote control unit at the remote control sensor of the device (DVD in this case).
- Connect either the audio or the video output of the device (DVD in the example) and the corresponding audio or video input of the Media
 Receiver, using a cable with phono plugs. This connection is required in order to use ground in common with the SR cable, because with the
 SR cable connection the ground connection for signal reference is not available. In the example, the audio L channel is used, but the audio
 R channel or video can be used instead.
 - If the plasma display for a previous model, such as the PDP-433P or PDP-503P, is available, servicing while checking displays or using the menus is possible. For this, connect only the DVI connectors (white) of the Media Receiver and the plasma display. The MDR connector of the Media Receiver must not be used, even though it has the same shape and number of pins, because signals assigned to the connectors differ. Using the MDR connector may damage the unit.



RS-232C control using a PC

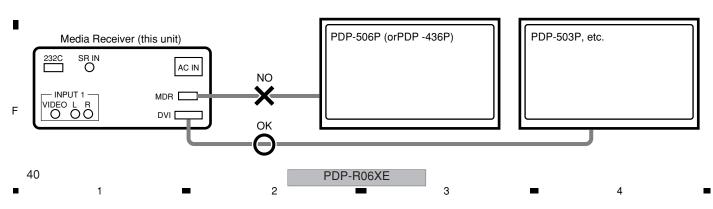
RS-232C control is not available in shipment. Please set baud rate of PC in 38400bps. For connection with the PC, use a straight cable.



Note on connection

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If the MDR connector of the PDP-436HD or PDP-506HD-series is used, it is considered that the PDP-436P (or PDP-506P) is connected, and the Media Receiver operates on such precondition, which may result in a failure of the Media Receiver. Be sure not to connect to the MDR connector. (Do NOT use the MDR connector when servicing the Media Receiver alone.)



To operate in Service Factory mode, use the supplied remote control unit.

How to enter Service Factory Mode

While in Standby mode, follow the below procedures with the remote control to enter Service Factoy mode.

- 1. Press the [DISPLAY] key.
- 2. 3 second counter will start.
- 3. After 3 seconds, press [LEFT] key. (If no operation is done within 10 seconds, the Service
- 4. 5 Second counter will start.
- 5. Before 5 second counter ends, press [UP] key.
- 6. Before 5 second counter ends, press [LEFT] key.
- 7. Before 5 second counter ends, press [RIGHT] key.
- 8. Before 5 second counter ends, press [POWER] key.
- Factory routine is cleared, and the standby mode is returned) 9. If the prodcedure is correct with the given time, the Service Factory mode is up and ready.
- * During step 3 to 8, if other operations took place, the Service Factory routine is cleared.
- * If the counter's time is up, normal standby mode is returned.

Operation in Service Factory mode

• Functions whose settings are set to OFF

The settings for the following functions are set to OFF when Service Factory mode is entered (including when the "FAY" command is received):

- Two-screen operations (input function set on the main side is selected)
- P ZOOM
- FREEZE
- Detection of the TRAP switch (The log in the EEPROM is retained.) (KUC type only)

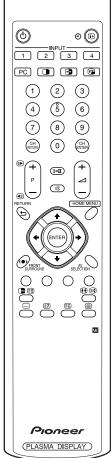
User data

User data will be treated as follows:

- · User data on picture- and audio-quality adjustments are not reflected, and factory-preset data are output (user data will be retained in memory). When the unit enters Factory mode, the current audio-quality adjustment data will still be retained in
- As to data on various settings, user data will be applied to the items that are associated with signal format change (screen size switching, etc.).
- · Data on screen (i.e., screen position; meaning clock dividers, and not including data on screen size) are reset to the default values (data stored in memory will be retained). Screen size will be retained.

■ Remote control codes in Service Factory mode

SR Function	Main Function	Remarks	
Muting	Switching the main items	Shifting to the next main item (top)	
DOWN	Switching the subtitled items	Shifting downward to the next subtitled item	
UP	Switching the subtitled items	Shifting upward to the next upper layer	
LEFT	Increasing the adjustment value	Increasing the adjustment value	
RIGHT	Decreasing the adjustment value	Decreasing the adjustment value	
SET	Switching layers	Shifting downward or upward to the next lower or upper layer	
INPUT	Selecting input	Shifting the input to the next function	
INPUTxx	Selecting input	Switching the input to xx	
CH+	Increasing the channel number	Advancing a preset channel (effective when Function is set to TV)	
CH-	Decreasing the channel number	Turning a preset channel backward (effective when Function is set to TV)	
Numeric keys	Function: TV	Function: TV (previously selected channel number is selected)	
POWER	Power OFF	Turning the power off	
FACTORY	Factory OFF	Turning Service Factory mode off	
MENU	Menu ON	Turning Service Factory mode off and Menu mode on	



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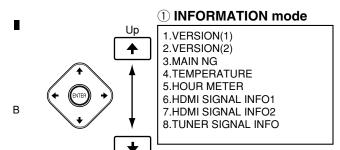
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■ Changes of the Service Factory menus



Down



6 INITIALIZE mode

1.SYNC DET
2.SG MODE
3.SG PATTERN
4.SIDE MASK LEVEL
5.FINAL SETUP
6.SR+
7.UART SELECT
8.CVT AUTO
9.HDMI INTR POSITION





2 FUNCTION CHECK mode

1.FAN 2.DTB ANT VOLT (PDP-R06XE Only)



5 OPTION mode

1.PEAK LIMITER 2.EDID WRITE MODE 3.CH PRESET



③ COMMON ADJ. mode

1. RGB 1



4 PANEL FACTORY mode

1.PANEL INFORMATION
2.PANEL WORKS
3.POWER DOWN
4.SHUT DOWN
5.PANEL-1 ADJ
6.PANEL-2 ADJ
7.PANEL REVICE
8.ETC
9.MASK SETUP

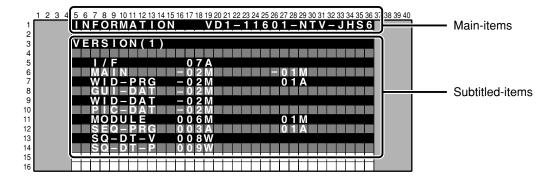
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PDP-R06XE

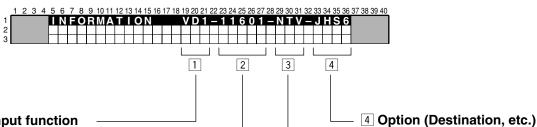
_

■ Indications in Service Factory mode



■ Main-item indications

Four parameters are displayed:



1 Input function

Input Functions	On-Screen Display
INPUT 1-5	AV 1 - 5
Analog Tuner	AIR
Digital Tuner	ARD
PC Card	PCC
PC	PC

Note: AV5/ARD/PCC/ PC is PDP-R06XE only.

2 SIG mode and screen size

Note: See SIG-Mode Tables. (See next page.)

3 Color system and signal type

Color System and Signal Type		On-Screen Display	Color System and Signal Type		On-Screen Display
NTSC		NTV	NTSC		NTS
PAL		PLV	PAL		PLS
PAL N		PNV	PAL N		PNS
PAL M	Composite input	PMV	PAL M	S-connector input	PMS
SECAM		SCV	SECAM		SCS
4.43NTSC		4NV	4.43NTSC		4NS
BLACK/WHITE		BWV	BLACK/WHITE		BWS
Y/CB/CR	•	CBR	RGB		RGB
Y / PB / PR		PBR	Digital video signal		DIG

Options

Advanced: PDP-R06XE

Basic: PDP-R06FE

On-Screen Display

EHS6

EBS6

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SIG-Mode Table

The signal mode is displayed in four charecters:

1st and 2nd charecters: Resolutin of the input signal (numerics for the video signals, and alphabetics for the PC signals)

3rd and 4th charecters: Grouping of the V frequencies (refresh rate)

5th charecter : Selection of the screen size by the user is displayed.

SIG-Mode table for video signals (resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
10	50 SDTV*625i		50.000	15.625
10	60	SDTV*525i	60.000	15.750
12	60	SDTV*525i (PAL60)	60.000	15.750
00	50	SDTV*625p	50.000	31.250
20	60	SDTV*525p	60.000	31.500
00	50	HDTV*1125i	50.000	28.125
30	60	HDTV*1125i	60.000	33.750
40	50	HDTV*750p	50.000	37.500
40	60	HDTV*750p	60.000	45.000
50	24	HDTV*1125p	24.000	27.000

Fv: Vertical Frequency, Fh: Horizontal Frequency

SIG-Mode table for PC signals(resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
C1	70	720x400	70.087	31.469
	60		59.940	31.469
C2	72	640x480	72.809	37.861
	75		75.000	37.500
	56		56.250	35.1556
0.4	60	800x600	60.317	37.879
C4	72		72.188	48.077
	75		75.000	46.875
	60		60.004	48.363
C7	70	1024x768	70.069	56.476
	75		75.029	60.023
	56		56.250	45.113
C8	60	1280x768	59.833	47.986
	70		70.000	56.137

Fv: Vertical Frequency, Fh: Horizontal Frequency

Selection of the screen size by the user is displayed.					
5th	Description on GUI	VIDEO	PC	Remarks	
0	DOT BY DOT	_	•		
1	4:3	•	•		
2	FULL(FULL1)	•	•		
3	ZOOM	•	_		
4	CINEMA	•	-		
5	WIDE	•	-		
6	FULL 14:9	•	-		
7	CINEMA 14:9	•	_		
8	FULL2	•	•		

•: available, -: not available

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PDP-R06XE

■ Factory Menus

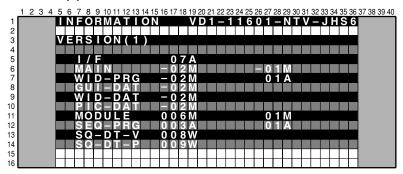
1) INFORMATION mode

5

Operation items

No.	Function / Display	Content	RS-232C
1	VERSION (1)	The flash memory versions for each device are displayed. (common part)	QS1
2	VERSION (2)	The flash memory versions for each device are displayed. (individual part)	QS6
3	MAIN NG	The shutdown generated on Media Receiver side and its time of occurrence are displayed.	QNG
4	TEMPERATURE	Information of temperature and fan status on Media Receiver side are displayed.	QMT
5	HOUR METER Cumulative power-on time to the Media Receiver is displayed.		-
6	HDMI SIGNAL INFO 1	The file information of HDMI series are displayed.	
7	HDMI SIGNAL INFO 2		
8	TUNER SIGNAL INFO The signal information on TUNER is displayed.		_

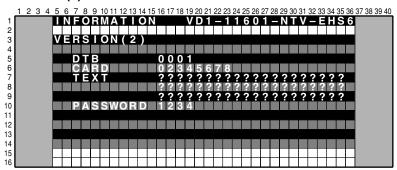
1. VERSION (1)



Flash memory on Device	On-Screen Display	
IF microcomputer	I/F	
Main microcomputer	MAIN	
Program for CARRERA-MANTA	WID-PRG	
GUI data for CARRERA-MANTA	GUI-DAT	
Enhanced data for CARRERA-MANTA.	WID-DAT	
Picture Quality data for CARRERA-MANTA	PIC-DAT	
Module microcomputer(for the PDP)	MODULE	
Program for ASTRA-MANTA(for the PDP)	SEQ-PRG	
Sequence data for ASTRA-MANTA Video	SQ-DT-V	
Sequence data for ASTRA-MANTA PC	SQ-DT-P	

2. VERSION (2)

5



On - Screen Display	Version Display	Remarks
DTB	4 character	PDP-R06XE only
CARD	8 character	PDP-R06XE only
TEXT	60 character	20 character x 3
PASSWORD	4 character	
	DTB CARD TEXT	DTB 4 character CARD 8 character TEXT 60 character

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В

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PDP-R06XE

В

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 44

INFORMATION VD1-11601-NTV-JHS6

MAIN NG

MAIN SUB

1 MA-IIC FE2

2 MA-IIC AV-SW

0 0 0 1 3 H 5 0 M

3 MA-SRL

D-SEL

0 0 0 0 2 H 5 2 M

4 MAIN ----
0 0 0 0 0 H 5 8 M

5 TEMP2

12

13

14

15

16

• Media Receiver NG information

OSD: MAIN	OSD: SUB	Cause of Shutdown
MODULE		Abnormary in Module microcomputer communication
MA-SRL		Abnormary in 3-wire Serial Communication of the Main microcomputer.
	IF	Communication failure of IF microcomputer
	MULTI1	MANTA communication failure(MULIT1)
	I/P	MANTA communication failure(I/P)
	D-SEL	MANTA communication failure(D-SEL)
MA-IIC		Abnormary in Main microcomputer IIC communication
	FE1	Analog Tuner 1(Front End 1)
	FE2 *	Analog Tuner 2(Front End 2)
	MPX	MPX
	AV-SW	AV Switch
	RGB-SW	RGB Switch
	CCD *	CCD
	GCR *	GCR
	M-VDEC	Main VDEC
	S-VDEC	Sub VDEC
	ADC	AD/PLL
	HDMI	HDMI
	PLK-T	TMDS Tx
	PLK-R	TMDS Rx
	TX-COM	M2 Communication
	TX-BSY	M2 Busy
	MA-EEP	64k EEPROM
MAIN		Abnormary in Main microcomputer communication
FAN		Fan stopped
TEMP2		Abnormally high temperature of the MR.
DTUNER		Failure of the Digital Tuner
	PS/RST	Failure in DTB Starting
	RETRY	DTB communication failure
M-DCDC		Power decrease of the DC-DC converter (only for SX model)
HOME-G		Failure of the Home Gallery
	CD-COM	PC Card Communication failure
	CD-DEV	Requirement for resetting from the PC Card
	CD-RST	PC Card reset failure

^{*:} Not available

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Ε

PDP-R06XE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

INFORMATION VD1 - 11601 - NTV - JHS6

TEMPERATURE

TEMP2 : 130

FAN : MIN

FAN : MIN

101

114

115

116

TEMP2: The value read from the temperature sensor built into the Media Receiver is displayed in the range of 000-255. For reference, the approximate value for 60°C is 86 and for 35°C is 67.

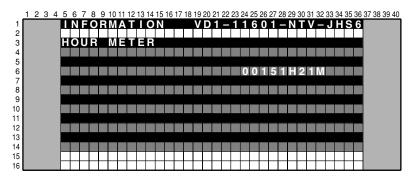
Reference: When TEMP2 exceeds 100 (about 78°C), SD LED (Blue) flash 11 times.

FAN: The value of the Fan output is displayed.

STOP: stopped, MIN: slow speed, MAX: high speed

5. HOUR METER

5



The cumulative power-on time of the Media Receiver is displayed.

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6. HDMI SIGNAL INFO

В

• Technical examination display (Reading status registers in HDMI receiver and displaying them by HEX value.)

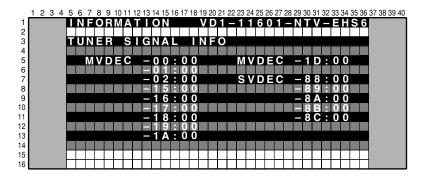
	HDMI SIGNAL INFO 1				
	SA	Context			
	- 4E:	Video DE pixels [7:0]			
	- 4F:	Video DE pixels [11:8]			
0x60	- 50:	Video DE lines [7:0]			
	- 51:	Video DE lines [10:8]			
	- 55:	Video status (interlace or progressive, sync polarity)			
	- 2A:	Audio in channel status (PCM, copy information etc.)			
	- 30:	Audio in SPDIF channel status (sampling frequency)			
	- 31:	Audio in SPDIF channel status (sample word length)			
	- 44:	AVI InfoFrame data1 (video format etc.)			
	- 45:	AVI InfoFrame data2 (colorimetry, aspect ratio)			
	- 46:	AVI InfoFrame data3 (video scaling)			
0x68	- 47:	AVI InfoFrame data4 (video identification code)			
	- 48:	AVI InfoFrame data5 (pixel repeat value for 2880dot)			
	- 84:	Audio InfoFrame data1 (channel count, cording type)			
	- 85:	Audio InfoFrame data2 (always zero)			
	- 86:	Audio InfoFrame data3 (always zero)			
	- 87:	Audio InfoFrame data4 (channel / speaker allocation)			
	- 88:	Audio InfoFrame data5 (downmix inhibit, level shift value for downmixing)			

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Ε

	HDMI SIGNAL INFO 2			
SA		Context		
	- 3A:	Video full H resolution [7:0]		
0,400	- 3B:	Video full H resolution [12:8]		
0x60	- 3C:	Video full V lines [7:0]		
	- 3D:	Video full V lines [10:8]		
	- 06:	N Value for audio clock regeneration method. [7:0]		
	- 07:	N Value for audio clock regeneration method. [15:8]		
0,,00	- 08:	N Value for audio clock regeneration method. [19:16]		
0x68	- 0C:	CTS Value for audio clock regeneration method. [7:0]		
	- 0D:	CTS Value for audio clock regeneration method. [15:8]		
	- 0E:	CTS Value for audio clock regeneration method. [19:16]		

7. TUNER SIGNAL INFO



• Tuner signal information in MVDEC / SVDEC.

Device	SA	Context		
	00h	Signal distinction 1		
	01h	Signal distinction 2		
	02h	Flag detection output		
	15h	Noise level detection 1		
MVDEO	16h	Noise level detection 2		
MVDEC	17h	Non - standard signal detection		
	18h	Subcarrier signal detection		
	19h	ACC data output		
	1Ah	ACC information output		
	1Dh	Input signal mode		
	88h	Status register 1 (TV/VCR status)		
	89h	Status register 2 (Macrovision detection etc)		
SVDEC	8Ah	Status register 3 (Front-end AGC gain value)		
-	8Bh	Status register 4 (Subcarrier to horizontal (SCH) phase)		
	8Ch	Status register 5 (signal distinction)		

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2 FUNCTION CHECK

Operation items

No.	Display	Content	RS-232C
1	FAN <=>	Control FAN speed for Force.	_
2	DTB ANT VOLT <=>	Change the power supply voltage for DTB antenna.	_

3

2

3 COMMON ADJ. mode

RGB1

В

С

Only for the technical use.

4 PANEL FACTORY mode

Operation items

No.	Function / Display		
1	PANEL INFORMATION		
2	PANEL WORKS		
3	POWER DOWN		
4	SHUT DOWN		
5	PANEL-1 ADJ		
6	PANEL-2 ADJ		
7	PANEL REVICE		
8	ETC		
9	MASK SETUP		

Refer to the service manual of the PDP-506P/436P.

⑤ OPTION mode

Operation items

No.	Function/Display	Content	RS-232C
1	PEAK LIMITTER ⇔	Control Peak Limitter (Select ON/OFF)	_
2	EDID WRITE MODE ⇔	Control EDID WRITE MODE (Select DISABLE/ENABLE)	
3	CH PRESET ⇔	USER ⇔ FACTORY	

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6 INITIALIZE mode

5

Operation items

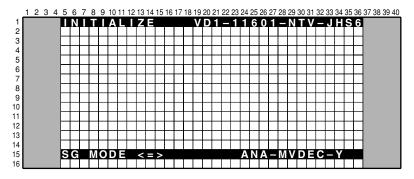
No.	Function/Display	Content	RS-232C
1	SYNC DET(+)	Only for the technical use.	_
2	SG MODE ⇔	Paired SG_MODE with SG_PATTERN. Select SG Route.	_
3	SG PATTERN ⇔	Paired SG_MODE with SG_PATTERN. Select SG Pattern.	_
4	SIDE MASK LEVEL(+)	Adjust Side Mask Color(R,G,B).	BSL GSL RSL
5	FINAL SETUP(+) Initialize flash memories on virgin product status		FST
6	SR+ ⇔ Select SR+ mode or UART SELECT mode.		_
7	UART SELECT ⇔ Select boud Rate on RS-232C Communication		_
8	CVT AUTO ⇔ Only for the productical use.		_
9	HDMI INTR POSITION(+) Only for the technical use.		_

1. SYNC DET(+)

Only for the technical use.

2. SG MODE

The route of the Test Signal from the MVDEC is chosen by this function. After setting this function, SG pattern should be set.



No.	Display	Function
1	SG OFF	SG is set to OFF
2	DIG MVDEC YCBCR	Digital output (YCbCr)
3	ANA MVDEC Y	Analog output to the Videio SW (Y)
4	ANA MVDEC RGB	SCART (PDP-R06XE only)
5	ANA SVDEC Y	Analog output to the SUB Videio SW(Y)
6	ANA AD YCBCR	Analog output to the RGB SW (YCbCr)
7	ANA AD RGB	Analog output to the RGB SW (RGB)

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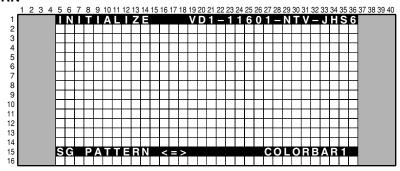
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3. SG PATTERN

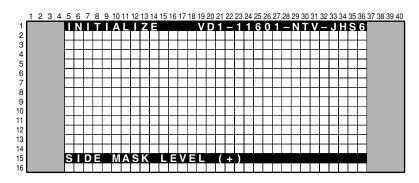


No.	Function/Display	SG Pattern (Brightness IRE Level/Color)	No.	Function/Display	SG Pattern (Brightness IRE Level/Color)
1	COLOR BAR1	Colorbar(75%)	11	RASTER4	Raster(75% Green)
2	COLOR BAR2	Colorbar(100%)	12	RASTER5	Raster(75% Magenta)
3	RAMP1	Ramp(100% white)	13	RASTER6	Raster(75% Red)
4	RAMP2	Ramp(100% Yellow)	14	RASTER7	Raster(75% Blue)
5	RAMP3	Ramp(75% Green)	15	RASTER8	Raster(-% Black)
6	RAMP4	Ramp(75% Red)	16	10STEP1	10STEP(100% white)
7	RAMP5	Ramp(75% Blue)	17	10STEP2	10STEP(100% Yellow)
8	RASTER1	Raster(100% White)	18	10STEP3	10STEP(75% Green)
9	RASTER2	Raster(75% Yellow)	19	10STEP4	10STEP(75% Red)
10	RASTER3	Raster(75% Cyanide)	20	10STEP5	10STEP(75% Blue)

Important notice of the Test Signal mode (SG mode, SG pattern)

- The route switching should be done correctly in the factory mode.
- Y or G signal from SG should be input to the AVI terminal of the MVDEC when the SG signal is output.
- The function of the blanking offset (50 IRE) should be OFF during the SG mode.
- The setting of the Y/C separation function should be set to the NTSC during the SG mode
- Only the RGB and Component signals can be output during SG mode, so only the Y signal is input at the CVBS and S signal mode, thus the picture is composed in black and white color. This isn't a trouble.
- The SG mode 7 (ANA AD RGB) is only for the factory mode. Therefore some probrem (strange color, unstable brightness etc.) might be happened.

4. SIDE MASK LEVEL

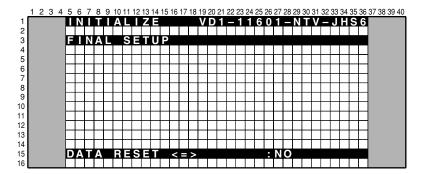


Level of the side mask (R, G, and B) can be adjusted by using this menu. The input signal is necessary to adjust it.

No.	Display	Context	RS-232C
1	R MASK LEVEL ⇔	Adjust Side Mask R (range :000-255)	RSL
2	G MASK LEVEL ⇔	Adjust Side Mask G (range :000-255)	GSL
3	B MASK LEVEL ⇔	Adjust Side Mask B (range :000-255)	BSL

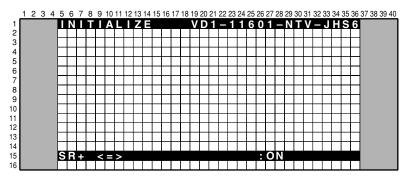
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5. FINAL SETUP



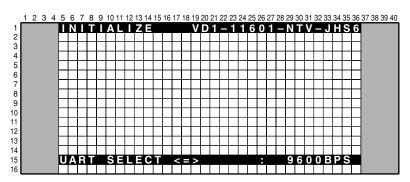
The value of all memorized data are set to shipment status. If the ENTER key is kept on pressing for 5 second when the status of this menu is YES, final setup will be done.

6. SR+



SR+ function \rightarrow ON, RS232C function \rightarrow OFF

7. UART SELECT



This function can be selected when the SR+ function is OFF.

Option No. Display		Operation / Control	RS-232C
1 (Initial setting)		To Set to SR+ (9600bps)	SR+ is ON
2	1200	To Set to RS-232C (1200bps)	SR+ is OFF
3	2400	To Set to RS-232C (2400bps)	SR+ is OFF
4	4800	To Set to RS-232C (4800bps)	SR+ is OFF
5	9600	To Set to RS-232C (9600bps)	SR+ is OFF
6	19200	To Set to RS-232C (19200bps)	SR+ is OFF
7	38400	To Set to RS-232C (38400bps)	SR+ is OFF

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6.5 LIST OF RS-232C COMMANDS (MEDIA RECEIVER)

RS-232C commands can be used in Service Factory mode. Before using RS-232C commands, it is necessary to change the factory presetting. See " 6.2 USING RS-232C COMANDS".
Refer to the service manual of the PDP506P/406P for the panel command.

[Note : If you want to see version information (ex. QS1, QS6, Factory, Menu), Please see 10 seconds after starting.]

Command	Operation	Remarks
В		
BSL	Adjust side mask B	
С		
CNG	Clearing MR NG information	
CHR	Clearing MR Hour meter	
D		
DW*	Decreasing the adjustment value by*	*:1-9, 0(0 means 10),F(making the adjustment value the minimum)
F		
FAN	Turning Service Factory mode off.	
FAY	Turning Service Factory mode on.	
FST	Final Set Up	
G		
GSL	Adjust side mask side mask G	
I		
INA	Selection of tuner for terrestrial analog signals.	PDP-R06XE only
INC***	Selection of tuner for terrestrial digital signals	PDP-R06XE only
INH	Selection of SD card/PCMCIA card	PDP-R06XE only
INPS01	Input selection: input 1	
INPS02	Input selection: input 2	
INPS03	Input selection: input 3	
INPS04	Input selection: input 4	
INPS05	Input selection: input 5	
INPS06	Input selection: input 6	PDP-R06XE only
0		
OSDS00	Turning the On-Screen Display off	Prohibit On-Screen Display.
OSDS01	Turning the On-Screen Display on	Permit On-Screen Display.
Р		
POF	Turning the power off.	
PON	Turning the power on.	
Q		
QS1	Obtaining the version data for each device.	
QS6	Obtaining the any version.	
QMT	Obtaining the MR temperature information.	
QNG	Obtaining NG data of the MR.	
R		
RSL	Adjust side mask side mask R	
U		
UP*	Increasing the adjustment value by *	*:1-9, 0(0 means 10),F(making the adjustment value the maximum)
Z		
ZME	Initializing of the EEPROM video data	

6.6 OUTLINE OF COMMANDS

QS1: Returning information on the module and the version of the software.

Order	Part	Data Content	Size	Remarks
0	-	Received Command Name on MR	3 byte	'QS1' only
1		Display Information 1	1 byte	
2		Display Information 2	1 byte	
3		Display Information 3	1 byte	
4		Display Information 4	1 byte	
5		Display Information 5	1 byte	
6		Boot Version of Module microcomputer.	3 byte	
7	MDU	Program Version of Module microcomputer.	8 byte	
8		Boot Version of ASTRA-MANTA	3 byte	
9		Program Version of ASTRA-MANTA	8 byte	
10		Sequence Version (43VIDEO)	4 byte	
11		Sequence Version (43PC)	4 byte	
12		Sequence Version (50VIDEO)	4 byte	
13	1	Sequence Version (50PC)	4 byte	
14		, (comma)	1 byte	
15		MR Infomation 1	1 byte	
16		MR Infomation 2	1 byte	
17		MR Infomation 3	1 byte	
18		MR Infomation 4	1 byte	
19	MR	Version of IF microcomputer	4 byte	
20	INIK	Version of Main microcomputer	8 byte	
21		Boot Version of Main microcomputer	4 byte	
22		Program Version of CARRERA-MANTA	8 byte	
23		Boot Version of CARRERA-MANTA	4 byte	
24		GUI Version of CARRERA-MANTA	8 byte	
25		Enhanced Version of CARRERA-MANTA	8 byte	
26		PIC Version of CARRERA-MANTA	8 byte	

QS6: Returning information of the Flash Device.

Order	Data Content	Size	Remarks
0	Received Command Name on MR	3 byte	'QS6' only
1	Version of DTB (PDP-R06XE only)	4 byte	
2	Version of PC Card (PDP-R06XE only)	8 byte	
3	Version of Text	60 byte	
4	User Passward	4 byte	

QMT: Returning information of MR temperature and FAN speed.

Order	Data Content	Size	Remark
1	Received Command Name on MR	3 byte	'QMT' only
2	MR Temperature	3 byte	
3	MR FAN Speed	1 byte	0: STOP 1: MIN 2: MAX

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PDP-R06XE

QNG: Returning data (logs keep on Main microcomputer) on shutdown of Media Receiver.

Order	Data	Size	Context
0	Received Command Name on MR	3 byte	'QNG' only
1	Latest NG data	1 byte	
2	Data of subcategory for the latest NG	1 byte	
3	Data of MR hour meter for the latest NG	7 byte	
4	Data of temperature for the latest NG	3 byte	
5	2nd latest NG data	1 byte	
6	Data of subcategory for the 2nd latest NG	1 byte	
7	Data of MR hour meter for the 2nd latest NG	7 byte	
8	Data of temperature for the 2nd latest NG	3 byte	
:	:	:	
29	7th latest NG data	1 byte	
30	Data of subcategory for the 8th latest NG	1 byte	
31	Data of MR hour meter for the 8th latest NG	7 byte	
32	Data of temperature for the 8th latest NG	3 byte	

Details on the NG data and subcategory

Data	Cause of Shutdown	Remarks
0	Normal	
1	Failure of communication to Module microcomputer	
2	3-wire Serial Communication of Main microcomputer.	Subcategory ⇒ 1
3	IIC Communication failure of Main microcomputer	Subcategory ⇒ 2
4	Communication failure of Main microcomputer &Unknown Error	
5	Fan stopped	
6	Abnormally high temperature at MR.	
7	Failure of Digital Tuner	Subcategory ⇒ 3
8	Abnormally in RST2 of MR(power decrease of DC-DC converter)	
9	Failure at Home Gallary	Subcategory ⇒ 4

• Data on Subcategories for failure in 3-wire serial communication of Main microcomputer (subcategory 1)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Communication failure of IF microcomputer	Power OFF
2	MANTA communication failure(MULIT1)	Power OFF
3	MANTA communication failure(MULIT2)	Reserved
4	MANTA communication failure(I/P)	
5	MANTA communication failure(D-SEL)	

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• Data on Subcategories for failure in IIC communication of Main microcomputer (subcategory 2)

Data	Cause of Shutdown	Data	Cause of Shutdown
0	Non subcategory	Α	AD/PLL
1	Analog Tuner 1(Front End 1)	В	HDMI
2	Analog Tuner 2(Front End 2)	С	TMDS Tx
3	MPX	D	TMDS Rx
4	AV Switch	E	M2 Communication
5	RGB Switch	F	M2 Busy
6	CCD	G	64k EEPROM
7	GCR		
8	Main VDEC		
9	Sub VDEC		

• Data on Subcategories for failure in the DTB communication of Main microcomputer (subcategory 3)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure to DTB Starting	
2	Communication failure to DTB	

• Data on Subcategories for failure in the Home Gallery communicaion of Main microcomputer (subcategory 4)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure of PC Card Communication	
2	Failure of PC Card	
3	PC Card Reset NG	

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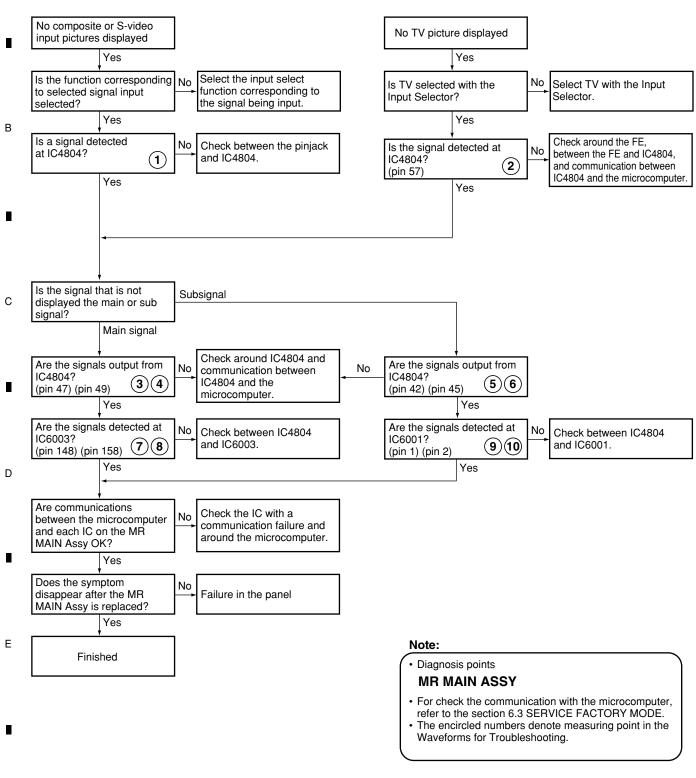
3

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 TROUBLESHOOTING

No composite or S-video input pictures displayed

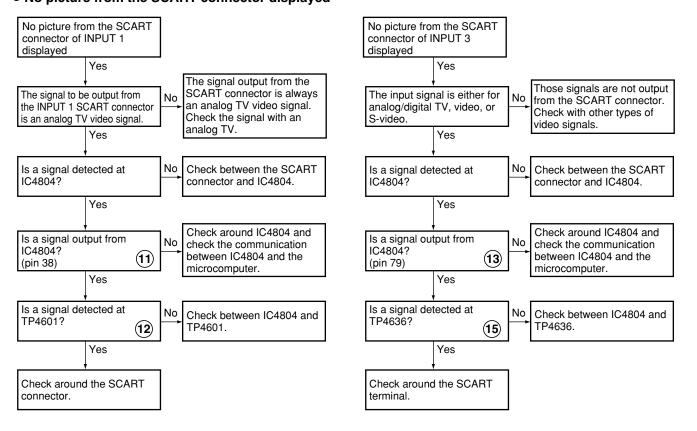


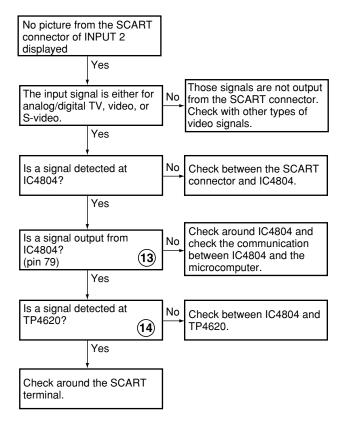
58

PDP-R06XE

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No picture from the SCART connector displayed





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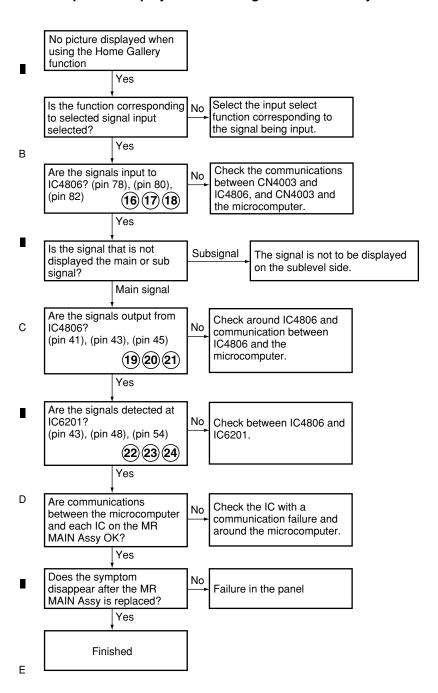
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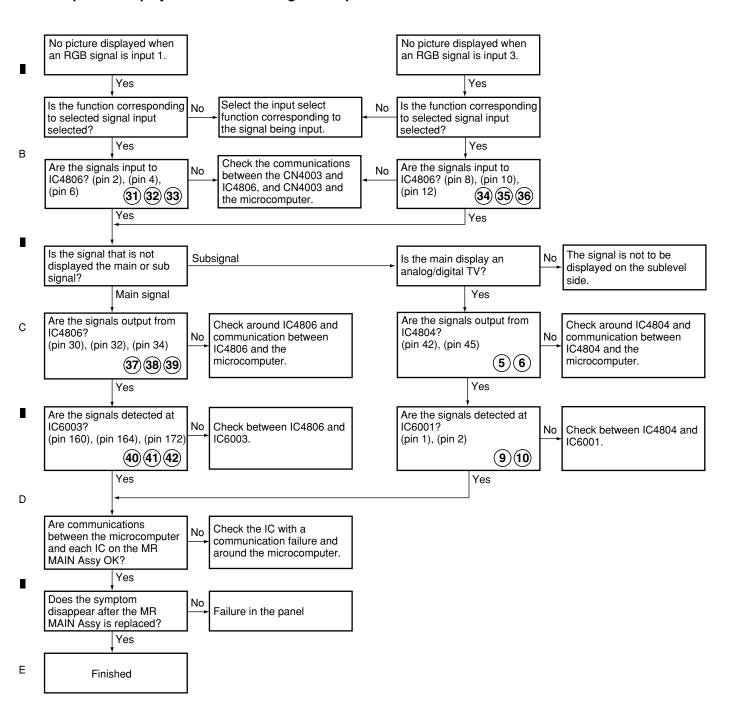
• No picture displayed when using the Home Gallery function



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• No picture displayed when an RGB signal is input



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correctly and check the

sound again.

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connected between CN4001

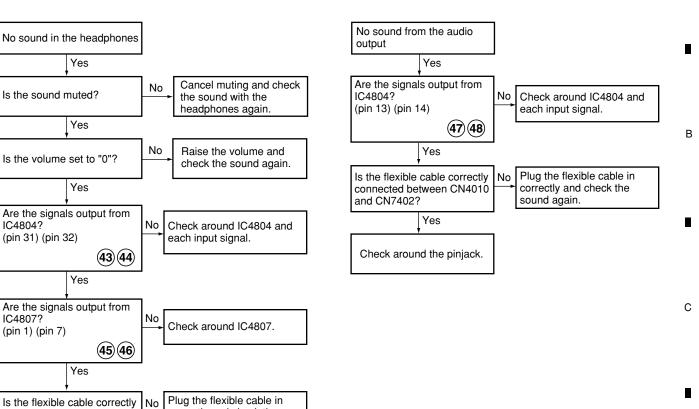
Check around the phono

Yes

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and CN7804?

jack.



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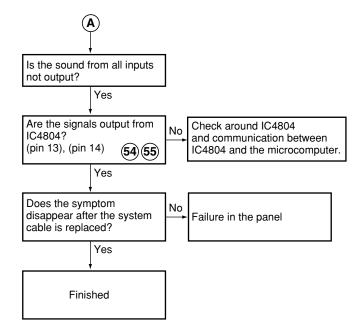
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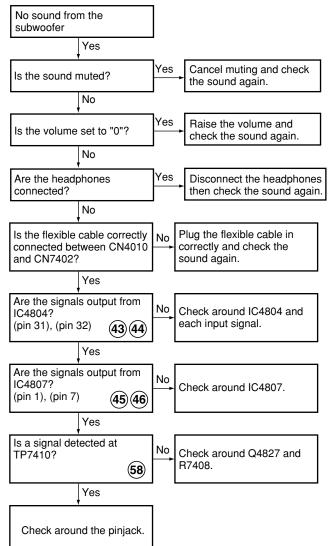
3 No sound from the speakers (1/2) No sound from the speakers Yes Cancel muting and check Is the sound muted? the sound with the headphones again. No Raise the volume and Is the volume set to "0"? check the sound again. No Disconnect the headphones Are the headphones and check the sound from connected? the speakers again. No Is only the sound from No Is only the sound of TV not the front input connector output? not output? Yes Yes Is a signal input to IC4401? Check around FE (U4401) Is the flexible cable correctly Plug the flexible cable in No No and communication between connected between CN4001 correctly and check the **(49)** FE and the microcomputer. and CN7804? sound again. Yes Yes Are the signals output from Check the communications No IC4401? between the FE and IC4401 (pin 30), (pin 31) (50) (51) and around IC4401. Is only the sound from the No HDMI connector not output? Yes Yes Are the signals input to No Check between IC4401 and IC4804? Are the signals output from IC4804. (pin 19), (pin 20) (52)(53)IC6405? (pin 7), (pin 8) (56) (57) Yes Yes Are the signals output from Check around IC4804 Check around IC6405 No IC4804? and communication between and communication between (pin 13), (pin 14) (54)(55) IC4804 and the microcomputer. IC6405 and the microcomputer. Yes Does the symptom No disappear after the system Failure in the panel cable is replaced? Is only the sound from the No Yes SCART input connector not output? Yes Finished Check between SCART connector and IC4804. 64 PDP-R06XE

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No sound from the subwoofer



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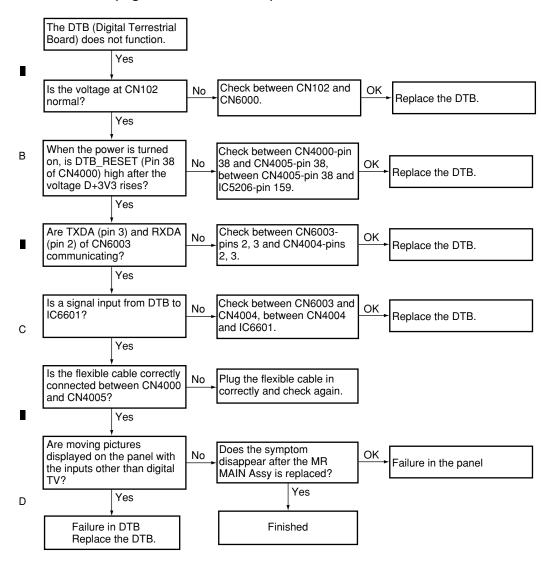
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• The DTB (Digital Terrestrial Board) does not function



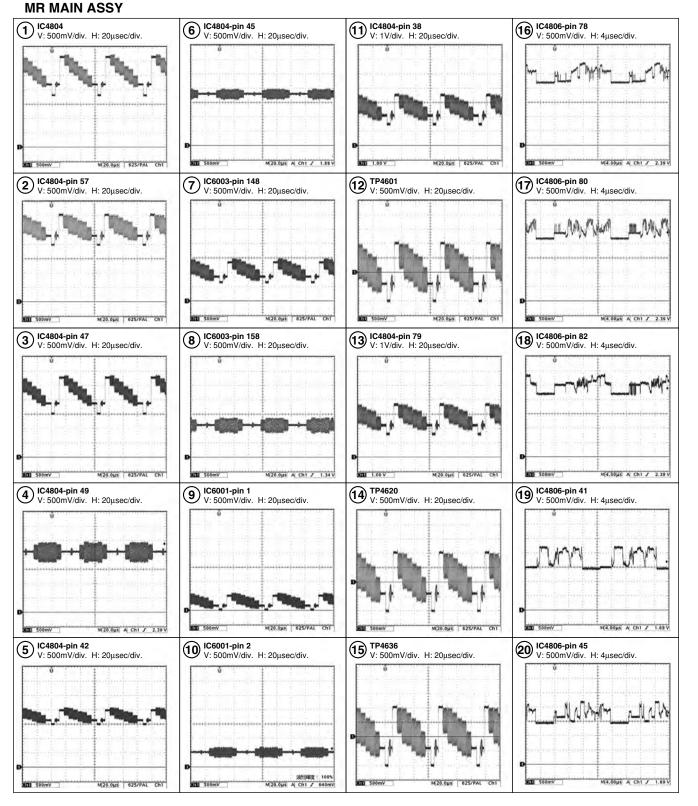
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Waveforms for Troubleshooting



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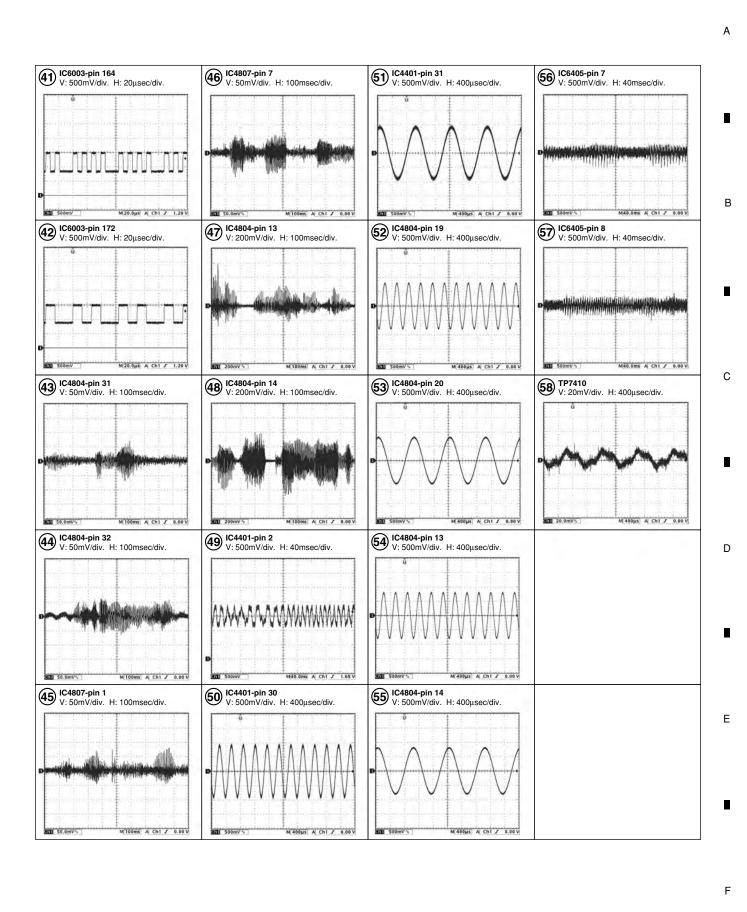
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21) IC4806-pin 45 V: 500mV/div. H: 4μsec/div. **26** IC4806-pin 96 V: 500mV/div. H: 10μsec/div. **31) IC4806-pin 2** V: 500mV/div. H: 20μsec/div. **36** IC4806-pin 12 V: 500mV/div. H: 20μsec/div. M(4.00µs) A Ch1 ✓ 1.69 V M(10.0μs A Ch1 5 2.77 V M(20.0µs) A| Ch1 ✓ 2.56 V M(20.0µs) A Ch1 ✓ 2.56 V **(22)** IC6201-pin 43 V: 500mV/div. H: 4μsec/div. **27** IC4806-pin 98 V: 500mV/div. H: 10μsec/div. **32** IC4806-pin 4 V: 500mV/div. H: 20μsec/div. **37** IC4806-pin 30 V: 500mV/div. H: 20μsec/div. M(20.0µs) A Ch1 ✓ 2.56 V M(10.0µs) A Ch1 J 2.77 V M[20.0µs] A| Ch1 J 1.75 V M4.00µs A Ch1 5 260m **23** IC6201-pin 48 V: 500mV/div. H: 4μsec/div. **28** IC4806-pin 64 V: 500mV/div. H: 10μsec/div. **33** IC4806-pin 6 V: 500mV/div. H: 20μsec/div. **38** IC4806-pin 32 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 / 260n M[10.0µs] A| Ch1 ♪ 2.56 V M[20.0µs] A| Ch1 F 2.56 V M(20.0µs) A Ch1 ✓ 1.75 V **24** IC6201-pin 54 V: 500mV/div. H: 4μsec/div. **29** IC4806-pin 66 V: 500mV/div. H: 10μsec/div. **34** IC4806-pin 8 V: 500mV/div. H: 20μsec/div. **39** IC4806-pin 34 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 ≠ 260mV M 10.0µs A Ch1 5 2.56 V M(20.0µs) A Ch1 & 2.56 V M(20.0µs) A| Ch1 ♪ 1.75 V **25** IC4806-pin 94 V: 500mV/div. H: 10μsec/div. **30** IC4806-pin 68 V: 500mV/div. H: 10μsec/div. **35** IC4806-pin 10 V: 500mV/div. H: 20μsec/div. **40** IC6003-pin 160 V: 500mV/div. H: 20μsec/div. M 10.0µs A Ch1 ✓ 2.56 V M 20.0µs A Ch1 ✓ 2.56 V

PDP-R06XE

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PDP-R06XE

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7.1.2 DISASSEMBLY

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

For PDP-R06XE Model

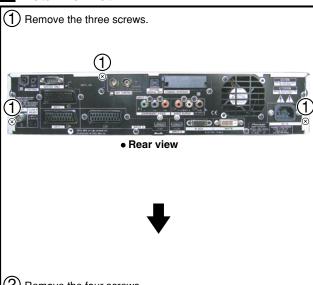
1 Metal Bonnet

В

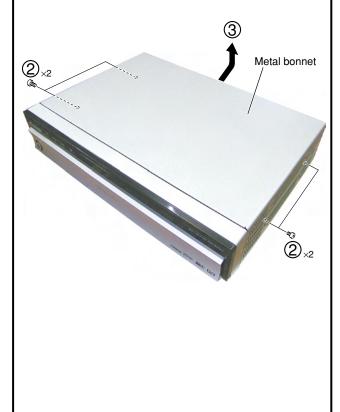
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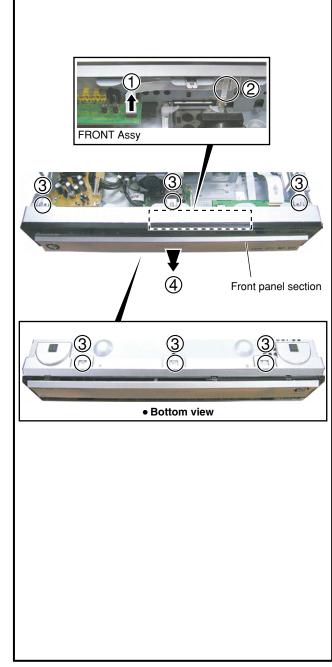


- (2) Remove the four screws.
- $\widehat{\mathbf{3}}$ Remove the metal bonnet while pulling it backward.

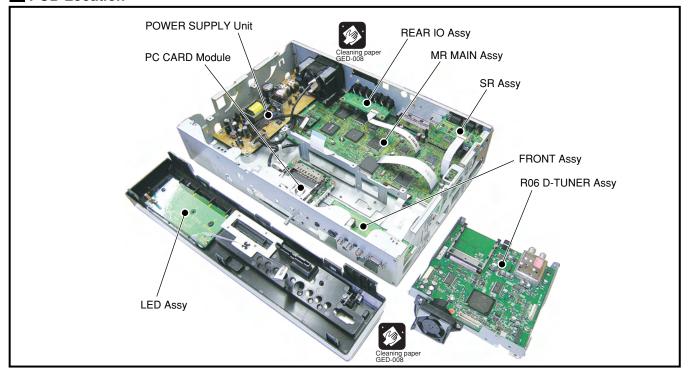


2 Front Panel Section

- 1 Disconnect the flexible cable.
- (2) Remove the flexible cable from the flat clamp.
- 3 Unhook the six hooks.
- 4 Remove the front panel section.



PCB Location



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PDP-R06XE

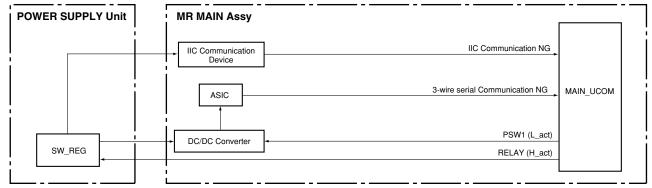
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7.2 EXPLANATION 7.2.1 PROCESSING IN ABNORMALITY

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Power supply and DC-DC converter

Circuit diagram

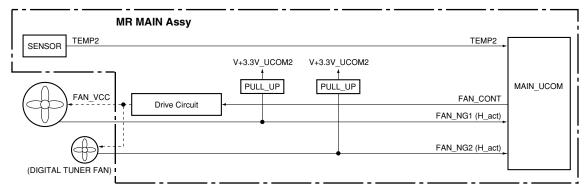


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Fan and temperature sensor

Circuit diagram

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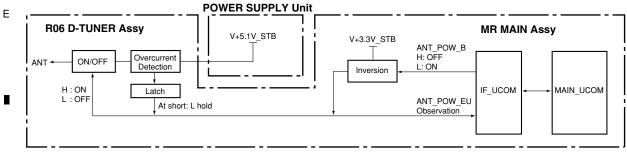


Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
FAN_NG 1	FAN	155	Shutdown with H
FAN_NG 2	FAN	104	Shutdown with H
TEMP2	Abnormally high temperature in the MR	76	Shutdown when the value exceeds the predetermined value

Power supply for DTB Antenna

Circuit diagram



Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
	DTB antenna short-circuit	IF_37	Warning with L

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■ LED-lighting patterns

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* In this case, the red and green areas on the screen of the panel flash alternately.

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No. of LEDs on t	times of	No. of times of LED flashing Ds on the panel LEDs on the IV	LEDs on the panel LEDs on the MR	Category	Site detected as	Possible defective points (representative examples)	OSD when detected
RED	Blue	RED	Blue	*	derective		(warning message)
	Blue 1	Red			Panel drive IC	*2	None
	Blue 2	Red			Module section IIC	Z*	None
	Blue 3	Red					None
	Blue 4	Red			Panel having abnormally high temperature	*5	Powering off. Internal temperatures is too high. Chheck temperatures around PDP. (SD04) *6
	Blue 5	Red			Short-circuiting of the speakers	₹.	Internal protection circuit turns off. Is there a short in speaker cable? (SD05).
Red			Blue 6		Module microcomputer	Disconnection of the system cable Desconnection of the service manual of the PDP-436PE or Defective model microcomputer or its peripheral circuits of the panel (Refer to the service manual of the PDP-436PE or Defective main microcomputer (IC5206) Fallure in communication (TXD_MD, RXD_MD, REQ_MD) between the panel's module microcomputer and IC5206 (main microcomputer)	None
Red			Blue 7		3-wire serial connection of the main section	Defective IC5002 or its peripheral circuits Fallure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, BUSY_IF) between IC5002 and IC5207 (main microcomputer) Defective IC7001 or its peripheral circuits Fallure in communication (TXD_IC3, RXD_IC3, CLK_IC3, CE_IC3, REQ_IC3, BUSY_IC3) between IC7001 and IC5206 (main microcomputer)	None
Be d			Blue 8	S	IIC of the main section	Defective U4401 (FEI) or its peripheral circuits Defective UA401 (FEI) or its peripheral circuits Defective UA401 (MPX) or its peripheral circuits Defective (LA401 (MPX) or its peripheral circuits Defective (LA406 (ROB_SW) or its peripheral circuits Defective (LA906 (ROB_SW) or its peripheral circuits Defective (LOX00 (ROB_SW) or its peripheral circuits Defective (DX00 (ROB_SW) or its peripheral circuits) Defective (DX00 (ROB_SW) or its peripheral circuits)	None
Red			Blue 9		Main microcomputer	Defective IC5206 (main microcomputer) Defective flexible cable for communication between the MR MAIN BOARD Assy and the AV BOARD Assy Failure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, REQ_IF, BUSY_IF) between IC5206 (main microcomputer) and IC5002	None
Red			Blue 10		Fan	Failure in the fan motor, or the fan stopped because of dust attached to the fan	None
Red			Blue 11		MR or unit having abnormally high temperature	The Media Receiver or the unit being used at high temperature	Powering off. Internal temperature is too high. Check temperature around media receiver. (SD11)
Red			Blue 12		Digital tuner	Defective DTV tuner *5	None
Red			Blue 13		ASIC power supply (DC-DC)	Defective U4201 (DD_CON) or short-circuiting elsewhere *6	None
Red 2		Red			Œ	\\ \tag{4}	None
Red 3		Bed.				Z*	None
Red 4		Red			SCN-5V Y-DRV	*2 *1: Shutdown (SD) is a protective operation controlled by the	None None
Red 6		Red			Y-DCDC		None
Red 7		Red		8			None
Red 8		Red				*2 the circuitry and can be reset after AC power is off for about 1 minute.	None
Red 9		Red			X-DCDC	*2 *2: Herer to the service manual of the PDF-430PE of PDF-506PE. *2 *3: Only for US model.	None None
Red 11		Red			X-SUS		None
Red 13		Red				 	None
Red 15		Red			UNKNOWN	*2	None

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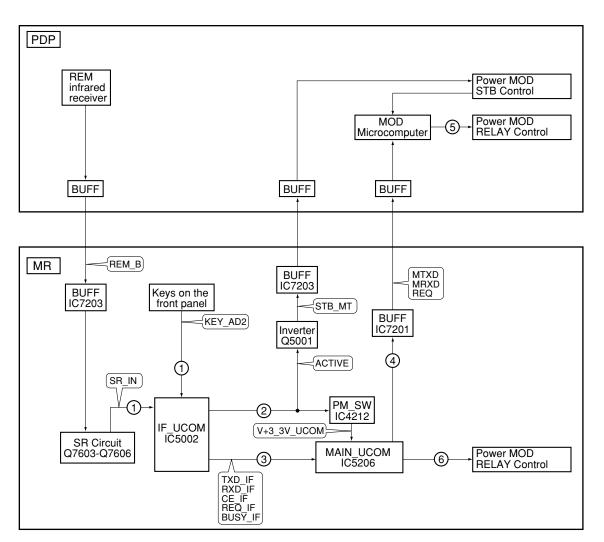
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Descriptions in a call-out are signal names for reference.
For wiring numbers on the PDP side, refer to the service manual for the PDP.

- ①: The signal from the remote control unit (or a key signal) is input to the IF microcomputer.
- ②: The IF microcomputer supplies the power to the main microcomputer and MOD microcomputer.
- ③: The IF microcomputer transmits operation data from the remote control unit (or keys) to the main microcomputer.
- ④: The main microcomputer issues a startup command to the MOD microcomputer.
- ⑤: The MOD microcomputer controls the relay of the PDP Power MOD and starts the power-on sequence of the PDP.
- 6 : The main microcomputer controls the relay of the MR Power MOD and starts the power-on sequence of the MR.

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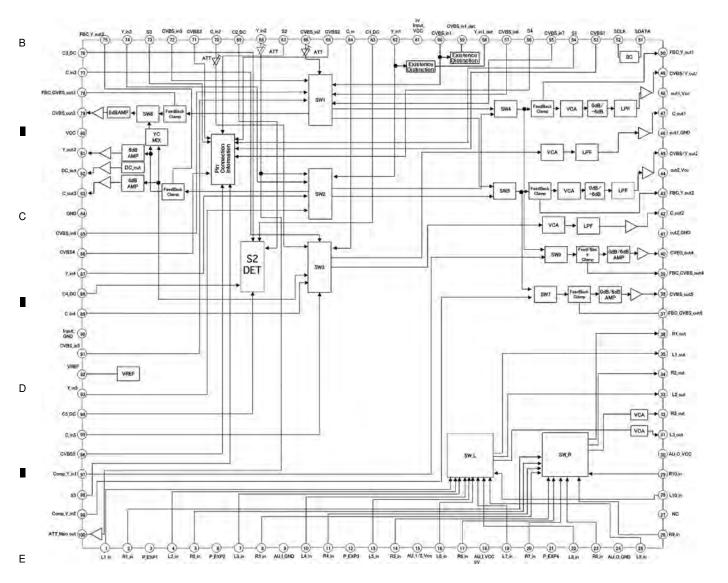
A • The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

List of IC

R2S11002AFT, R2S11001FT, K4S641632H-TC75, S29AL016D70TFI010, UPD64015AGM-UEU, TVP5150AM1PBS, K4S161622H-TC60, AD9985KSTZ-110, SII9021CTU, K4S643232H-TC60, S29JL032H70TFI21, SII170BCLG64, AXF1149, AXY1117

■ R2S11002AFT (MR MAIN ASSY: IC4804)

- AV SW
- Block Diagram



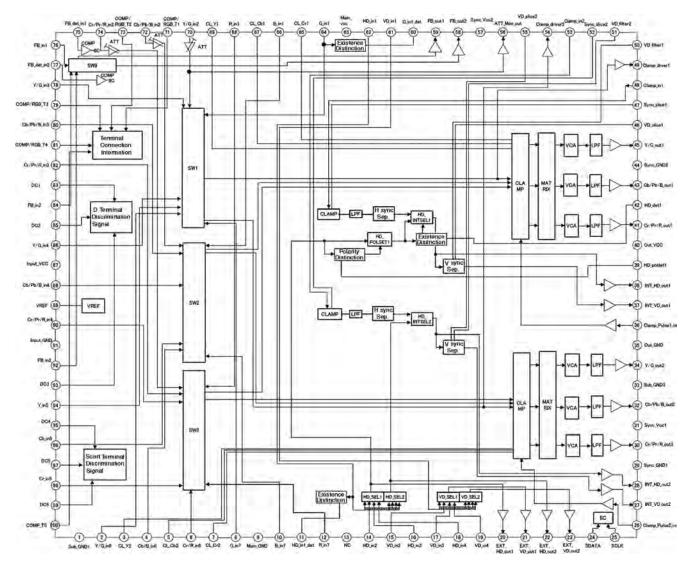
76

■ R2S11001FT (MR MAIN ASSY: IC4806)

• Component SW IC

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Block Diagram



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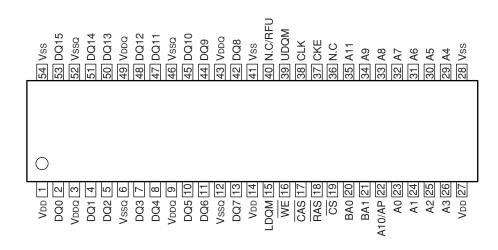
PDP-R06XE

■ K4S641632H-TC75 (MR MAIN ASSY : IC5403)

• 64M SDRAM

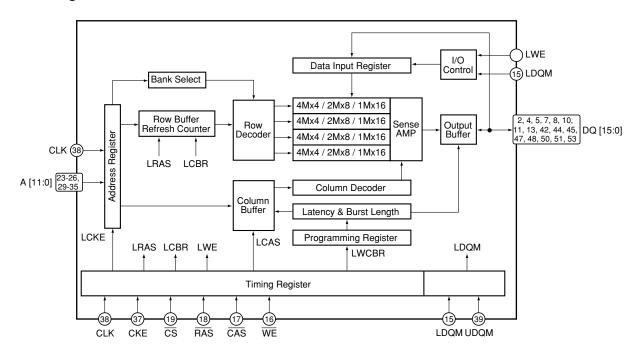
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Pin Arrangement (Top view)



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Block Diagram



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PDP-R06XE

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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	28	Vss	1	Ground
2	DQ0	I/O	Data input/output	29	A4	_	Address input
3	VDDQ	-	Power supply for data output	30	A5	_	Address input
4	DQ1	I/O	Data input/output	31	A6	_	Address input
5	DQ2	I/O	Data input/output	32	A7	- 1	Address input
6	Vssq	-	Ground for data output	33	A8	- 1	Address input
7	DQ3	I/O	Data input/output	34	A9	- 1	Address input
8	DQ4	I/O	Data input/output	35	A11	_	Address input
9	VDDQ	_	Power supply for data output	36	N.C	1	No connection
10	DQ5	I/O	Data input/output	37	CKE	- 1	Clock enable input
11	DQ6	I/O	Data input/output	38	CLK	- 1	System clock input
12	Vssq	_	Ground for data output	39	UDQM	- 1	Data input/output mask
13	DQ7	I/O	Data input/output	40	N.C/RFU	1	No connection (Reserved for future use)
14	VDD	-	Power supply	41	Vss	-	Ground
15	LDQM	1	Data input/output mask	42	DQ8	I/O	Data input/output
16	WE	1	Write enable input	43	VDDQ	-	Power supply for data output
17	CAS	1	Column address strobe input	44	DQ9	I/O	Data input/output
18	RAS	- 1	Row address strobe input	45	DQ10	I/O	Data input/output
19	CS	1	Chip select input	46	Vssq	-	Ground for data output
20	BA0	1	Bank select address input	47	DQ11	I/O	Data input/output
21	BA1	1	Bank select address input	48	DQ12	I/O	Data input/output
22	A10/AP	1	Address input	49	VDDQ	-	Power supply for data output
23	A0	ı	Address input	50	DQ13	I/O	Data input/output
24	A1	1	Address input	51	DQ14	I/O	Data input/output
25	A2	ı	Address input	52	Vssq	_	Ground for data output
26	A3	1	Address input	53	DQ15	I/O	Data input/output
27	VDD	_	Power supply	54	Vss	_	Ground

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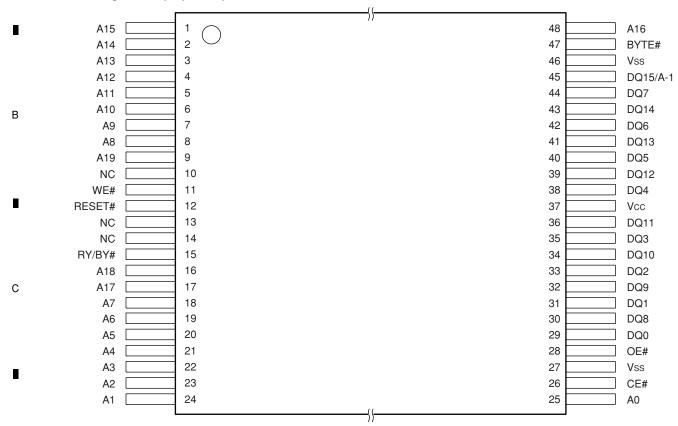
■ S29AL016D70TFI010 (MR MAIN ASSY : IC5404)

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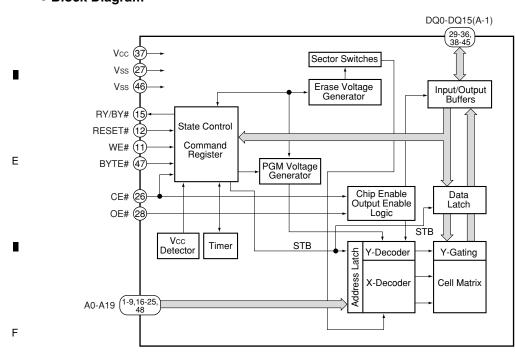
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• 16M Flash Memory

Pin Arrangement (Top view)



Block Diagram



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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	A15	ı	Address input	25	A0	1	Address input
2	A14	ı	Address input	26	CE#	1	Chip enable
3	A13	ı	Address input	27	Vss	1	Device ground
4	A12	ı	Address input	28	OE#	1	Output enable
5	A11	ı	Address input	29	DQ0	I/O	Data input/output
6	A10	ı	Address input	30	DQ8	I/O	Data input/output
7	A9	I	Address input	31	DQ1	I/O	Data input/output
8	A8	ı	Address input	32	DQ9	I/O	Data input/output
9	A19	ı	Address input	33	DQ2	I/O	Data input/output
10	NC	_	No connection	34	DQ10	I/O	Data input/output
11	WE#	ı	Write enable	35	DQ3	I/O	Data input/output
12	RESET#	ı	Hardware reset	36	DQ11	I/O	Data input/output
13	NC	_	No connection	37	Vcc	_	3V single power supply
14	NC	_	No connection	38	DQ4	I/O	Data input/output
15	RY/BY#	0	Ready/Busy output	39	DQ12	I/O	Data input/output
16	A18	ı	Address input	40	DQ5	I/O	Data input/output
17	A17	ı	Address input	41	DQ13	I/O	Data input/output
18	A7	ı	Address input	42	DQ6	I/O	Data input/output
19	A6	ı	Address input	43	DQ14	I/O	Data input/output
20	A5	I	Address input	44	DQ7	I/O	Data input/output
21	A4	1	Address input	45	DQ15/A-1	I/O	DQ15: Data input/output, word mode A-1: LSB address input, byte mode
22	A3	ı	Address input	46	Vss	_	Device ground
23	A2	ı	Address input	47	BYTE#	- 1	Selects 8-bit or 16-bit mode
24	A1	1	Address input	48	A16	I	Address input

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PDP-R06XE

■ UPD64015AGM-UEU (MR MAIN ASSY : IC6003)

Video Decoder (for main screen)

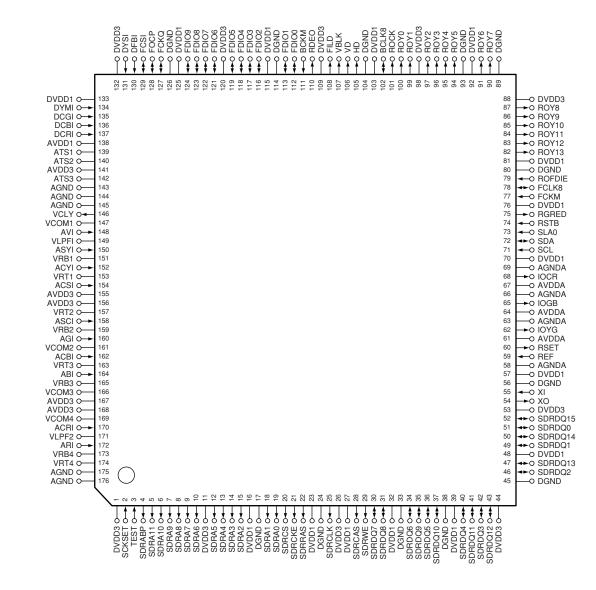
Pin Arrangement (Top view)

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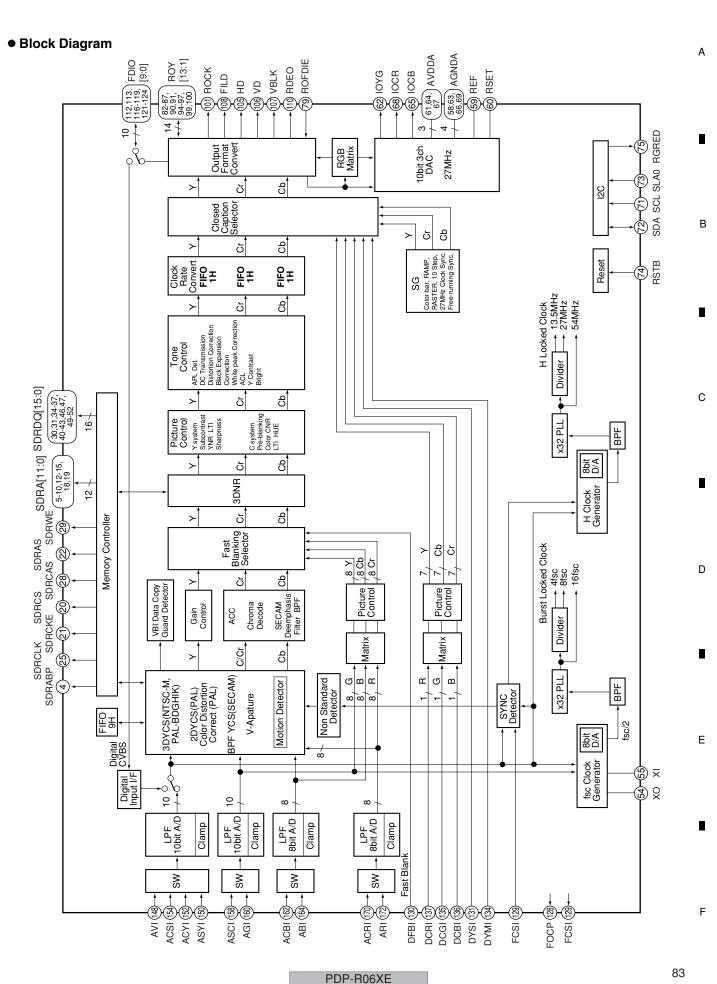
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PDP-R06XE

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■ 2 **■** 3 **■** 4

• Pin Function

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No.	Pin Name	I/O	Pin Function		
1	DVDD3	_	Digital power supply (3.3V)		
2	SCKSET	ı	Test mode selection (L: Normal, H: Test mode)		
3	TEST	ı	Test setting (L: Normal, H: Test mode)		
4	SDRABP	0	All bank precharge output for external memory (Active High)		
5	SDRA11	0	Address output for external memory		
6	SDRA10	0	Address output for external memory		
7	SDRA9	0	Address output for external memory		
8	SDRA8	0	Address output for external memory		
9	SDRA7	0	Address output for external memory		
10	SDRA6	0	Address output for external memory		
11	DVDD3	-	Digital power supply (3.3V)		
12	SDRA5	0	Address output for external memory		
13	SDRA4	0	Address output for external memory		
14	SDRA3	0	Address output for external memory		
15	SDRA2	0	Address output for external memory		
16	DVDD1	_	Digital power supply (1.5V)		
17	DGND	_	Digital ground		
18	SDRA1	0	Address output for external memory		
19	SDRA0	0	Address output for external memory		
20	SDRCS	0	Chip select output for external memory (Active Low)		
21	SDRCKE	0			
22	SDRRAS	0	Clock enable output for external memory (Active High)		
23	DVDD1	_	Row address strobe output for external memory (Active Low)		
H-	DGND		Digital power supply (1.5V)		
24		_	Digital ground		
25 26	SDRCLK DVDD3	0	Clock output for external memory		
27	DVDD3		Digital power supply (3.3V)		
28	SDRCAS	0	Digital power supply (1.5V) Column address strobe output for external memory (Active Low)		
29	SDRWE	0	Write enable output for external memory (Active Low)		
30	SDRWL SDRDQ7	1/0	Data input/output for external memory		
31	SDRDQ7 SDRDQ8	1/0	Data input/output for external memory		
32	DVDD1	-	Digital power supply (1.5V)		
33	DGND	_	Digital ground		
34	SDRDQ6	1/0			
35	SDRDQ6	1/0	Data input/output for external memory Data input/output for external memory		
36	SDRDQ9	1/0	Data input/output for external memory		
37	SDRDQ3	1/0	Data input/output for external memory		
38	DGND		Digital ground		
39	DVDD1	_	Digital power supply (1.5V)		
40	SDRDQ4	I/O	Data input/output for external memory		
41	SDRDQ4 SDRDQ11	1/0	Data input/output for external memory Data input/output for external memory		
42	SDRDQ11 SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory		
43	SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory		
44	DVDD3		Digital power supply (3.3V)		
45	DGND	_			
46	SDRDQ2	I/O	Digital ground Data input/output for external memory		
46	SDRDQ2 SDRDQ13	1/0	Data input/output for external memory Data input/output for external memory		
48	DVDD1	1/0	Digital power supply (1.5V)		
49	SDRDQ1	I/O	Data input/output for external memory		
50	SDRDQ1	1/0	Data input/output for external memory		
30	3DNDQ14	1/0	Data input/output for external memory		

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No.						
_	Pin Name	I/O	Pin Function			
	SDRDQ0	I/O	Data input/output for external memory			
	SDRDQ15	I/O	Data input/output for external memory			
	DVDD3	-	Digital power supply (3.3V)			
	XO	0	Reference clock output Connect a 24.576MHz crystal.			
	XI	I	Reference clock input Connect a 24.576MHz crystal.			
	DGND	_	Digital ground			
	DVDD1	_	Digital power supply (1.5V)			
	AGNDA	_	Analog ground for DAC			
	REF	I	External reference input			
60	RSET	0	Connect a 620 ohm resistor for external adjustment to AGND			
	AVDDA	-	Analog power supply for DAC (3.3V)			
62	IOYG	0	Color-difference component Y / RGB component G output signal			
63	AGNDA	-	Analog ground for DAC			
64	AVDDA	-	Analog power supply for DAC (3.3V)			
65	IOGB	0	Color-difference component Cb / RGB component B output signal			
66	AGNDA	-	Analog ground for DAC			
67	AVDDA	_	Analog power supply for DAC (3.3V)			
68	IOCR	0	Color-difference component Cr / RGB component R output signal			
69	AGNDA	_	Analog ground for DAC			
70	DVDD1	_	Digital power supply (1.5V)			
71	SCL	ı	1 ² C bus clock input Connect to SCL line of the system.			
72	SDA	I/O	1 ² C bus data input/output Connect to SDA line of the system.			
73	SLA0	ı	12C bus slave address select input (L: B8h/B9h, H: BAh/BBh)			
74	RSTB	ı	System reset input (Active Low)			
75	RGRED	0	I ² C register read flag output (Active Low)			
76	DVDD1	-	Digital power supply (1.5V)			
77	FCKM	1	FCLK8 test mode selection (L: Normal, H: Test mode)			
78	FCLK8	I/O	Line-lock clock monitor input/output			
79	ROFDIE	1	Output enable of the video input/output terminal L: Output terminal Hi-Z, H: Output enable			
80	DGND	_	Digital ground			
81	DVDD1	_	Digital power supply (1.5V)			
82	ROY13	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
83	ROY12	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
84	ROY11	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
85	ROY10	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
86	ROY9	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
87	ROY8	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
88	DVDD3	-	Digital power supply (3.3V)			
89	DGND	-	Digital ground			
90	ROY7	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
91	ROY6	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
92	DVDD1	_	Digital power supply (1.5V)			
93	DGND	-	Digital ground			
94	ROY5	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
95	ROY4	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
96	ROY3	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
97	ROY2	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
98	DVDD3	_	Digital power supply (3.3V)			
99	ROY1	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output			
100	ROY0	0	Digital ITU-R BT. 656/component output			

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No.	Pin Name	I/O	Pin Function			
101	ROCK	0	Clock for digital ITU-R BT. 656/component output			
102	BCLK8	I/O	Line-lock clock monitor input/output			
103	DVDD1	_	Digital power supply (1.5V)			
104	DGND	_	Digital ground			
105	HD	0	Horizontal sync. signal output			
106	VD	0	Vertical sync. signal output			
107	VBLK	0	V blanking output			
108	FILD	0	Field output			
109	DVDD3	_	Digital power supply (3.3V)			
110	RDEO	0	Effective pixel area output			
111	BCKM	I	Test mode selection of BCLK8 pin (L: Normal, H: Test mode)			
112	FDIO0	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
113	FDIO1	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
\vdash	DGND	_	Digital ground			
—	DVDD1	<u> </u>	Digital power supply (1.5V)			
	FDIO2	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
	FDIO3	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
—	FDIO4	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
	FDIO5	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
	DVDD3	-	Digital power supply (3.3V)			
<u> </u>	FDIO6	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
-	FDIO7	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
-	FDIO8	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
	FDIO9	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.			
—	DVDD1	-	Digital power supply (1.5V)			
—	DGND	_	Digital ground			
127	FCKQ	I/O	Sampling clock output for digital connection			
128	FOCP	1/0	Clamp pulse output for digital connection / Timing output for digital RGB input (VD)			
129	FCSI	1/0	Sync sep. signal input / Timing output for RGB input (HD)			
130	DFBI	1,70	Fast blanking signal input for analog RGB input			
131	DYSI	† <u>;</u>	YS signal input for digital RGB input			
—	DVDD3	+ -	Digital power supply (3.3V)			
-	DVDD1	 	Digital power supply (1.5V)			
_	DYMI	1	YM signal input for digital RGB input			
135	DCGI	+ †	Digital RGB/G signal input			
136	DCBI	+ -	Digital RGB/B signal input			
	DCRI	 	Digital RGB/R signal input			
_	AVDD1	+ -	Analog power supply (1.5V)			
	ATS1	 	Analog test input Normally, connect to GND.			
140	ATS2	 	Analog test input Normally, connect to GND.			
141	AVDD3	+-	Analog power supply (3.3V)			
—	ATS3	 	Analog test input Normally, connect to GND.			
	AGND	+-	Analog ground			
	AGND	+	Analog ground			
	AGND	+-	Analog ground			
146	VCLY	0	ADC1 clamp voltage			
147	VCOM1	 -	ADC1 common-mode reference voltage			
—	AVI	1	ADC1 composite/Y signal input			
149	VLPFI	+ -	Analog test output Connect to GND via 0.1µF capacitor.			
	ASYI	1	ADC1 composite/Y signal input			
_ 130	/.011	1 '	Price i compositor i signati input			

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Na	Pin Name	1/0	Pin Function			
No.		I/O				
151	VRB1	 -	ADC1 bottom reference voltage			
152	ACYI		ADC1 composite/Y signal input			
153	VRT1		ADC1 top reference voltage			
154	ACSI	ı	ADC1 composite/Y signal input			
155	AVDD3		Analog power supply for ADC (3.3V)			
156	AVDD3	_	Analog power supply for ADC (3.3V)			
157	VRT2	_	ADC2 top reference voltage			
158	ASCI	1	ADC2 separate C signal input			
159	VRB2	_	ADC2 bottom reference voltage			
160	AGI	1	DC2 RGB component G signal input			
161	VCOM2	_	DC2 common-mode reference voltage			
162	ACBI	I	ADC3 color-difference component Cb signal input			
163	VRT3	_	ADC3 top reference voltage			
164	ABI	1	ADC3 RGB component B signal input			
165	VRB3	_	ADC3 bottom reference voltage			
166	VCOM3	_	DC3 common-mode reference voltage			
167	AVDD3	_	Analog power supply for ADC (3.3V)			
168	AVDD3	_	Analog power supply for ADC (3.3V)			
169	VCOM4	-	ADC4 common-mode reference voltage			
170	ACRI	1	DC4 color-difference component Cr signal input			
171	VLPF2	_	nalog test output			
172	ARI	- 1	ADC3 RGB component R signal input			
173	VRB4	_	NDC4 bottom reference voltage			
174	VRT4	_	ADC4 top reference voltage			
175	AGND	_	Analog ground			
176	AGND	-	Analog ground			

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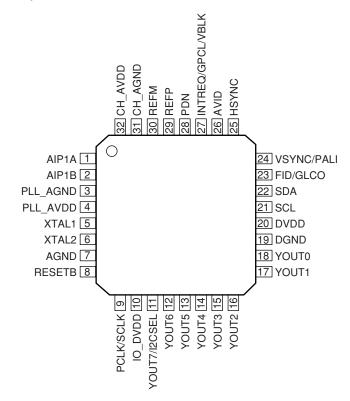
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■ TVP5150AM1PBS (MR MAIN ASSY : IC6001) (PDP-R06XE only)

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• Video Decoder (for Subscreen)

Pin Arrangement (Top view)



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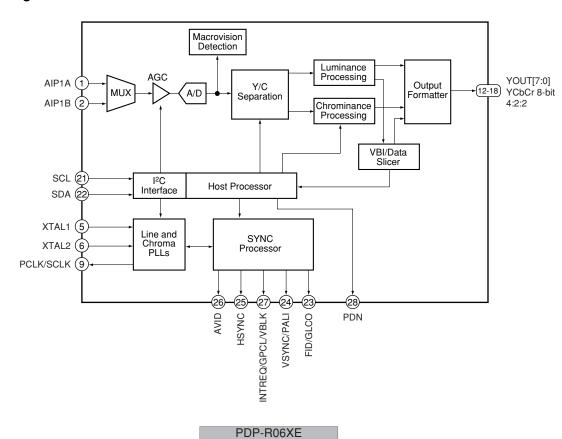
Block Diagram

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Pin Function

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No.	Pin Name	I/O	Pin Function		
1	AIP1A	ı	Analog input		
2	AIP1B	ı	Analog input		
3	PLL_AGND	ı	PLL ground Connect to analog ground.		
4	PLL_AVDD	ı	PLL power supply (1.8V)		
5	XTAL1	ı	External clock reference		
6	XTAL2	0	External clock reference		
7	AGND	ı	Substrate Connect to analog ground.		
8	RESETB	I	Active-low reset		
9	PCLK/SCLK	0	System clock at either 1x or 2x the frequency of the pixel clock		
10	IO_DVDD	I	Digital power supply (3.3V)		
11	YOUT(7)/I2CSEL	I/O	I2CSEL: Determines address for I ² C (sampled during reset) YOUT7: MSB of output decoded ITU-R BT.656 output/YCbCr 4:2:2 output		
12	YOUT6	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
13	YOUT5	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
14	YOUT4	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
15	YOUT3	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
16	YOUT2	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
17	YOUT1	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
18	YOUT0	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync		
19	DGND	ı	Digital ground		
20	DVDD	ı	Digital power supply (1.8V)		
21	SCL	I/O	I ² C serial clock (open drain)		
22	SDA	I/O	I ² C serial data (open drain)		
23	FID/GLCO	0	FID: Odd/even field indicator or vertical lock indicator GLCO: This serial output carries color PLL information		
24	VSYNC/PALI	0	VSYNC: Vertical synchronization signal PALI: PAL line indicator or horizontal lock indicator		
25	HSYNC	0	Horizontal synchronization signal		
26	AVID	0	Active video indicator		
27	INTREQ/GPCL /VBLK	I/O	INTREQ: Interrupt request output GPCL: General-purpose control logic		
28	PDN	ı	Power-down terminal (active low)		
29	REFP	ı	A/D reference supply		
30	REFM	ı	A/D reference ground		
31	CH_AGND	I	Analog ground		
32	CH_AVDD	I	Analog power supply (1.8V)		

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■ K4S161622H-TC60 (MR MAIN ASSY : IC6002)

• 16M SDRAM (for Main VDEC)

• Pin Arrangement (Top view)

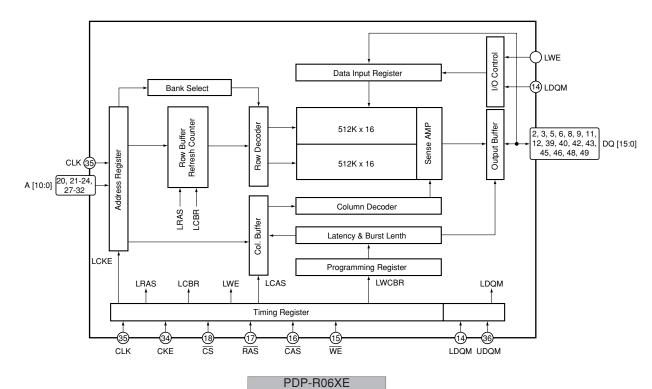
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V _{DD} □	1	50	□ Vss
DQ0 □	2	49	□ DQ15
DQ1 🗆	3	48	□ DQ14
Vssq⊏	4	47	□ Vssq
DQ2□	5	46	□ DQ13
DQ3 □	6	45	□ DQ12
	7	44	⊐ Vddq
DQ4 □	8	43	□ DQ11
DQ5 □	9	42	□ DQ10
Vssq⊏	10	41	⊐ Vssq
DQ6 ⊏	11	40	⊐ DQ9
DQ7□	12	39	⊐ DQ8
	13	38	⊐ Vddq
LDQM □	14	37	□ N.C/RFU
WE	15	36	□ UDQM
CAS□	16	35	⊐ CLK
RAS □	17	34	□ CKE
CS□	18	33	□ N.C
BA□	19	32	⊐ A 9
A10/AP	20	31	⊐ A8
A0 □	21	30	⊐ A 7
A1 🗆	22	29	⊐ A6
A2 □	23	28	⊐ A5
A3 □	24	27	⊐ A4
V _{DD} □	25	26	⊐ Vss
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Block Diagram



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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	26	Vss	_	Ground
2	DQ0	I/O	Data input / output	27	A4	- 1	Address input
3	DQ1	I/O	Data input / output	28	A5	ı	Address input
4	Vssq	_	Ground for data output	29	A6	ı	Address input
5	DQ2	I/O	Data input / output	30	A7	ı	Address input
6	DQ3	I/O	Data input / output	31	A8	- 1	Address input
7	VDDQ	_	Power supply for data output	32	A9	ı	Address input
8	DQ4	I/O	Data input / output	33	N.C	_	No connection
9	DQ5	I/O	Data input / output	34	CKE	ı	Clock enable input
10	Vssq	_	Ground for data output	35	CLK	ı	System clock input
11	DQ6	I/O	Data input / output	36	UDQM	ı	Data input / output mask input
12	DQ7	I/O	Data input / output	37	N.C/RFU	_	No connection / Reserved for future use
13	VDDQ	_	Power supply for data output	38	VDDQ	_	Power supply for data output
14	LDQM	ı	Data input / output mask input	39	DQ8	I/O	Data input / output
15	WE	ı	Write enable input	40	DQ9	I/O	Data input / output
16	CAS	ı	Column address strobe input	41	Vssq	-	Ground for data output
17	RAS	ı	Row address strobe input	42	DQ10	I/O	Data input / output
18	cs	I	Chip select input	43	DQ11	I/O	Data input / output
19	ВА	I	Bank select address input	44	VDDQ	_	Power supply for data output
20	A10/AP	I	Address input	45	DQ12	I/O	Data input / output
21	A0	ı	Address input	46	DQ13	I/O	Data input / output
22	A1	I	Address input	47	Vssq	_	Ground for data output
23	A2	1	Address input	48	DQ14	I/O	Data input / output
24	A3	I	Address input	49	DQ15	I/O	Data input / output
25	VDD	_	Power supply	50	Vss	_	Ground

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■ AD9985KSTZ-110 (MR MAIN ASSY : IC6201)

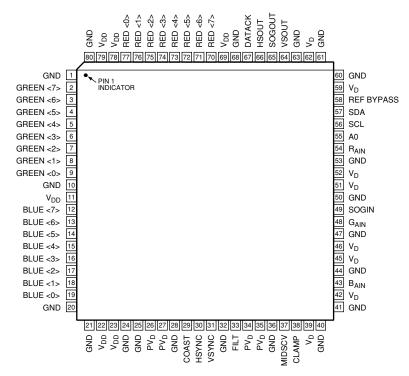
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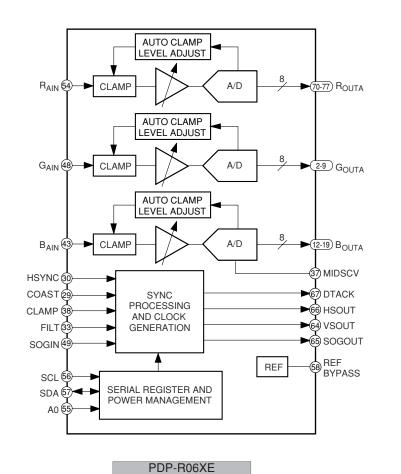
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Pin Arrangement (Top view)



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Block Diagram



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Pin Function

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Pin Type	No.	PIN Name	Pin Function
	54	Rain	Analog input for converter R
	48	GAIN	Analog input for converter G
	43	BAIN	Analog input for converter B
lana saka	30	HSYNC	Horizontal sync input
Inputs	31	VSYNC	Vertical sync input
	49	SOGIN	Input for sync-on green
	38	CLAMP	Clamp input (External CLAMP signal)
	29	COAST	PLL COAST signal input
	70-77	Red [7:0]	Outputs of converter red, bit 7 is the MSB
	2-9	Green [7 : 0]	Outputs of converter green, bit 7 is the BSB
	12-19	Blue [7:0]	Outputs of converter blue, bit 7 is the BSB
Outputs	67	DATACK	Data output clock
	66	HSOUT	HSYNC output (Phase-aligned with DATACK)
	64	VSOUT	VSYNC output (Phase-aligned with DATACK)
	65	SOGOUT	Sync-on-green slicer output
	58	REF BYPASS	Internal reference bypass
Reference	37	MIDSCV	Internal midscale voltage bypass
	33	FILT	Connection for external filter components for internal PLL
	39, 42, 45, 46, 51, 52, 59, 62	VD	Analog power supply
	11, 22, 23, 69, 78, 79	VDD	Output power supply
Power Supply	26, 27, 34, 35	PVD	PLL power supply
	1, 10, 20, 21, 24, 25, 28, 32, 36, 40, 41, 44, 47, 50, 53, 60, 61, 63 68, 80	GND	Ground
	57	SDA	Serial port data I/O
Control	56	SCL	Serial port data clock (100 kHz maximum)
	55	A0	Serial port address input 1

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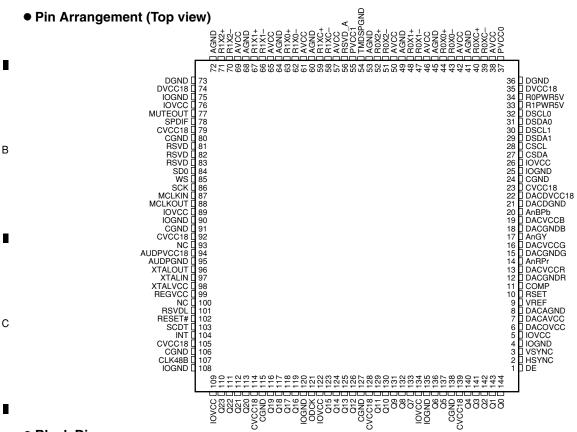
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■ SII9021CTU (MR MAIN ASSY : IC6404)

• HDMI Rx

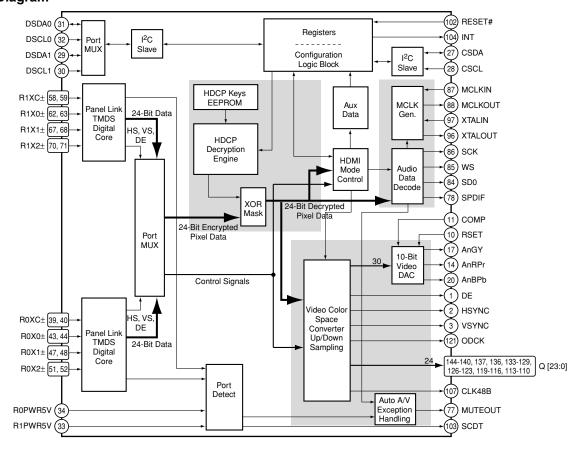
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Block Diagram

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Pin Function

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No.	Pin Name	I/O	Pin Function
1	DE	0	Data enable
2	HSYNC	0	Horizontal sync output control signal
3	VSYNC	0	Vertical sync output control signal
4	IOGND	_	Input / output pin ground
5	IOVCC	_	Input / output pin VCC
6	DACOVCC	_	DAC output VCC
7	DACAVCC	_	DAC analog VCC
 8	DACAGND		DAC analog ground
9	VREF		
10	RSET	$+$ $\overline{-}$	Full scale adjust resistor
11	COMP	$+$ $\overline{-}$	Compensation
12	DACGNDR	+ -	DAC red ground
13	DACVCCR	+-	DAC red VDD
14	AnRPr	0	
	DACGNDG		Analog video red, Pr output DAC green ground
15			DAC green yDD
16	DACVCCG	-	· ·
17	AnGY	0	Analog video green, Y output
18	DACGNDB	 -	DAC blue ground
19	DACVCCB		DAC blue VDD
20	AnBPb	0	Analog video blue, Pb output
21	DACDGND		DAC digital ground
22	DACDVCC18		DAC digital VCC
23	CVCC18		Digital logic VCC
24	CGND		Digital logic ground
25	IOGND		Input / output pin ground
26	IOVCC		Input / output pin VCC
27	CSDA	I/O	Configuration I ² C data
28	CSCL	I	Configuration I ² C clock
29	DSDA1	I/O	DDC I ² C data for port 1
30	DSCL1	I	DDC I ² C clock for port 1
31	DSDA0	I/O	DDC I ² C data for port 0
32	DSCL0		DDC I ² C clock for port 0
33	R1PWR5V	I	Port 1 transmitter detect
34	R0PWR5V	I	Port 0 transmitter detect
35	DVCC18		ACR PLL digital VCC
36	DGND		ACR PLL ground
37	PVCC0		TMDS port 0 PLL VCC
38	AVCC		TMDS analog VCC
39	R0XC-	I	TMDS input clock
40	R0XC+	I	TMDS input clock
41	AGND	_	TMDS analog ground
42	AVCC	_	TMDS analog VCC
43	R0X0-	I	TMDS input data
44	R0X0+	I	TMDS input data
45	AGND	_	TMDS analog ground
46	AVCC		TMDS analog VCC
47	R0X1-	I	TMDS input data
48	R0X1+	1	TMDS input data
49	AGND	_	TMDS analog ground
50	AVCC	_	TMDS analog VCC

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Α	No.	Pin Name	I/O	Pin Function
	51	R0X2-	1,0	TMDS input data
	52	R0X2+	i	TMDS input data
	53	AGND	_	TMDS analog ground
	54	TMDSPGND	_	TMDS PLL ground
	55	PVCC1	_	TMDS port 1 PLL VCC
	56	RSVD_A	_	Reserved pin
	57	AVCC	_	TMDS analog VCC
	58	R1XC-	1	TMDS input clock
В	59	R1XC+	1	TMDS input clock
Ь	60	AGND	_	TMDS analog ground
	61	AVCC	_	TMDS analog VCC
	62	R1X0-		TMDS input data
	63	R1X0+	1	TMDS input data
_	64	AGND	_	TMDS analog ground
	65	AVCC	_	TMDS analog VCC
	66	R1X1-		TMDS input data
	67	R1X1+	1	TMDS input data
	68	AGND	_	TMDS analog ground
	69	AVCC	_	TMDS analog VCC
С	70	R1X2-		TMDS input data
	71	R1X2+	1	TMDS input data
	72	AGND	_	TMDS analog ground
	73	DGND	_	ACR PLL ground
_	74	DVCC18	_	ACR PLL digital VCC
	75	IOGND	_	Input / output pin ground
	76	IOVCC	_	Input / output pin VCC
	77	MUTEOUT	0	Mute audio output
	78	SPDIF	0	S/PDIF audio output
	79	CVCC18	_	Digital logic VCC
D	80	CGND	_	Digital logic ground
	81	RSVD	0	_
	82	RSVD	0	-
	83	RSVD	0	-
_	84	SD0	0	I ² S serial data output
	85	ws	0	I ² S word select output
	86	SCK	0	I ² S serial clock output
	87	MCLKIN	ı	Audio master clock input reference
	88	MCLKOUT	0	Audio master clock output
	89	IOVCC	_	Input / output pin VCC
Е	90	IOGND	_	Input / output pin ground
	91	CGND	_	Digital logic ground
	92	CVCC18	_	Digital logic VCC
	93	NC	_	No connection
	94	AUDPVCC18	_	ACR PLL VCC
	95	AUDPGND	_	ACR PLL ground
	96	XTALOUT	0	Crystal clock output
	97	XTALIN	I	Crystal clock input
	98	XTALVCC	_	ACR PLL crystal input VCC
	99	REGVCC	_	ACR PLL regulator VCC
F	100	NC	_	No connection
	100	INC	-	INO CONNECTION

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1 2 3 4

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No.	Pin Name	I/O	Pin Function	
101	RSVDL	1	Reserved, must be tied LOW	
102	RESET#	i	Reset pin, active LOW	
103	SCDT	0	Indicates active video at HDMI input port	
104	INT	0	Interrupt output	
105	CVCC18	_	Digital logic VCC	
106	CGND		Digital logic ground	
107	CLK48B	I/O	Data bus latch enable	
108	IOGND		Input / output pin ground	
109	IOVCC	_	Input / output pin VCC	
110	Q23	0	24-bit output pixel data bus	
111	Q22	0	24-bit output pixel data bus	
112	Q21	0	24-bit output pixel data bus	
113	Q20	0	24-bit output pixel data bus	
114	CVCC18	_	Digital logic VCC	
115	CGND	_	Digital logic ground	
116	Q19	0	24-bit output pixel data bus	
117	Q18	0	24-bit output pixel data bus	
118	Q17	0	24-bit output pixel data bus	
119	Q16	0	24-bit output pixel data bus	
120	IOGND	_	Input / output pin ground	
121	ODCK	0	Output data clock	
122	IOVCC	_	Input / output pin VCC	
123	Q15	0	24-bit output pixel data bus	
124	Q14	0	24-bit output pixel data bus	
125	Q13	0	24-bit output pixel data bus	
126	Q12	0	24-bit output pixel data bus	
127	CGND	_	Digital logic ground	
128	CVCC18	_	Digital logic VCC	
129	Q11	0	24-bit output pixel data bus	
130	Q10	0	24-bit output pixel data bus	
131	Q9	0	24-bit output pixel data bus	
132	Q8	0	24-bit output pixel data bus	
133	Q7	0	24-bit output pixel data bus	
134	IOVCC	_	Input / output pin VCC	
135	IOGND	_	Input / output pin ground	
136	Q6	0	24-bit output pixel data bus	
137	Q5	0	24-bit output pixel data bus	
138	CGND	_	Digital logic ground	
139	CVCC18	_	Digital logic VCC	
140	Q4	0	24-bit output pixel data bus	
141	Q3	0	24-bit output pixel data bus	
142	Q2	0	24-bit output pixel data bus	
143	Q1	0	24-bit output pixel data bus	
144	Q0	0	24-bit output pixel data bus	

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В

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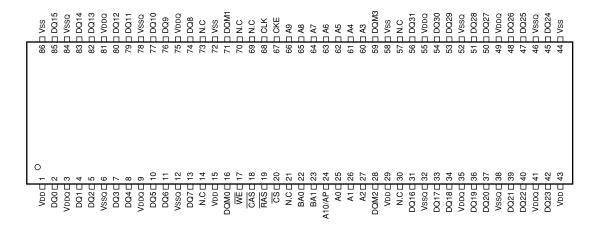
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■ K4S643232H-TC60 (MR MAIN ASSY : IC6801, IC6802)

- 64M SDRAM (for Silvia)
- Pin Arrangement (Top view)

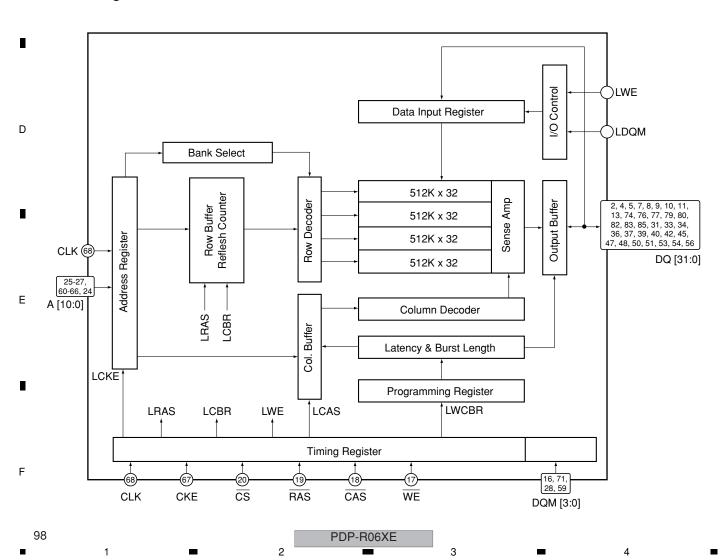


3

Block Diagram

В

С



• Pin Function

5

No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	44	Vss	_	Ground
2	DQ0	I/O	Data input / output	45	DQ24	I/O	Data input / output
3	VDDQ	_	Power supply for data output	46	Vssq	_	Ground for data output
4	DQ1	I/O	Data input / output	47	DQ25	I/O	Data input / output
5	DQ2	I/O	Data input / output	48	DQ26	I/O	Data input / output
6	VssQ	_	Ground for data output	49	VDDQ	_	Power supply for data output
7	DQ3	I/O	Data input / output	50	DQ27	I/O	Data input / output
8	DQ4	I/O	Data input / output	51	DQ28	I/O	Data input / output
9	VDDQ	_	Power supply for data output	52	Vssq	_	Ground for data output
10	DQ5	I/O	Data input / output	53	DQ29	I/O	Data input / output
11	DQ6	I/O	Data input / output	54	DQ30	I/O	Data input / output
12	VssQ	_	Ground for data output	55	VDDQ	_	Power supply for data output
13	DQ7	I/O	Data input / output	56	DQ31	I/O	Data input / output
14	N.C	_	No connection	57	N.C	_	No connection
15	VDD	_	Power supply	58	Vss	_	Ground
16	DQM0	ı	Data input / output mask input	59	DQM3	ı	Data input / output mask input
17	WE	ı	Write enable input	60	A3	ı	Address input
18	CAS	ı	Column address strobe input	61	A4	ı	Address input
19	RAS	ı	Row address strobe input	62	A5	ı	Address input
20	cs	ı	Chip select input	63	A6	ı	Address input
21	N.C	_	No connection	64	A7	ı	Address input
22	BA0	ı	Bank select address input	65	A8	ı	Address input
23	BA1	ı	Bank select address input	66	A9	ı	Address input
24	A10/AP	ı	Address input	67	CKE	ı	Clock enable input
25	A0	ı	Address input	68	CLK	ı	System clock input
26	A1	ı	Address input	69	N.C	_	No connection
27	A2	ı	Address input	70	N.C	_	No connection
28	DQM2	ı	Data input / output mask input	71	DQM1	ı	Data input / output mask input
29	VDD	_	Power supply	72	Vss	_	Ground
30	N.C	_	No connection	73	N.C	_	No connection
31	DQ16	I/O	Data input / output	74	DQ8	I/O	Data input / output
32	Vssq	_	Ground for data output	75	VDDQ	_	Power supply for data output
33	DQ17	I/O	Data input / output	76	DQ9	I/O	Data input / output
34	DQ18	I/O	Data input / output	77	DQ10	I/O	Data input / output
35	VDDQ	_	Power supply for data output	78	Vssq	_	Ground for data output
36	DQ19	I/O	Data input / output	79	DQ11	I/O	Data input / output
37	DQ20	I/O	Data input / output	80	DQ12	I/O	Data input / output
38	Vssq	_	Ground for data output	81	VDDQ	_	Power supply for data output
39	DQ21	I/O	Data input / output	82	DQ13	I/O	Data input / output
40	DQ22	I/O	Data input / output	83	DQ14	I/O	Data input / output
41	VDDQ	_	Power supply for data output	84	Vssq	_	Ground for data output
42	DQ23	I/O	Data input / output	85	DQ15	I/O	Data input / output
43	VDD	_	Power supply	86	Vss	_	Ground

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В

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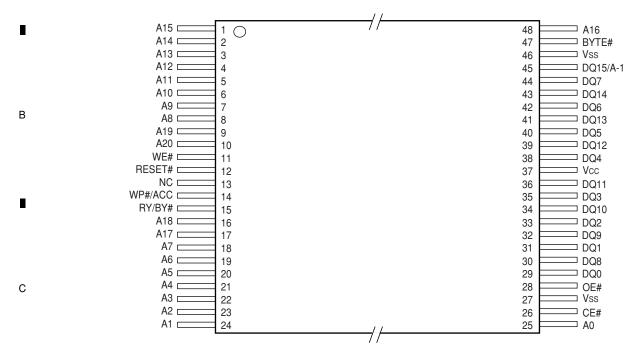
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■ S29JL032H70TFI21 (MR MAIN ASSY : IC7002)

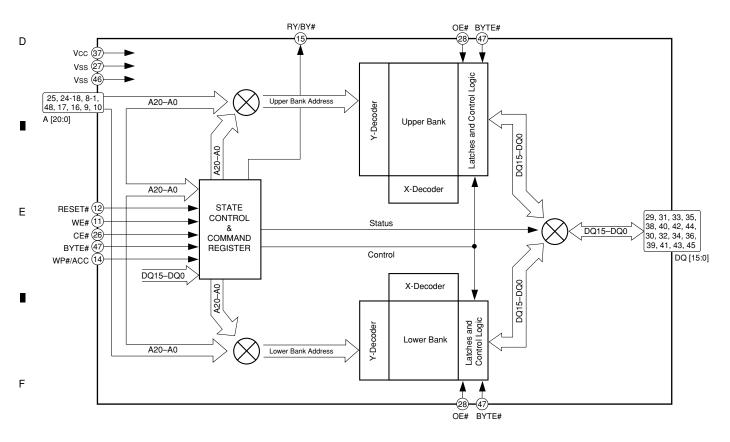
• 32M Flash for Carrera MANTA

• Pin Arrangement (Top view)



3

Block Diagram



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PDP-R06XE

2

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• Pin Function

5

No.	Pin Name	I/O	Pin Function
1	A15	I	Address input
2	A14	I	Address input
3	A13	I	Address input
4	A12	I	Address input
5	A11	I	Address input
6	A10	- 1	Address input
7	A9	- 1	Address input
8	A8	- 1	Address input
9	A19	- 1	Address input
10	A20	- 1	Address input
11	WE#	- 1	Write enable input
12	RESET#	- 1	Hardware reset, active LOW
13	NC	_	No connection
14	WP#/ACC	- 1	Hardware write protect / Acceleration
15	RY/BY#	0	Ready / Busy output
16	A18	1	Address input
17	A17	1	Address input
18	A7	ı	Address input
19	A6	ı	Address input
20	A5		Address input
21	A4		Address input
22	A3	 	Address input
23	A2	 	Address input
24	A1	 	Address input
25	AO	 	Address input
26	CE#	 	Chip enable input
27	Vss	+ -	Device ground
28	OE#	1	Output enable input
29	DQ0	I/O	Data input / output (x16-only device)
30	DQ8	I/O	Data input / output (x16-only device)
31	DQ1	I/O	Data input / output (x16-only device)
32	DQ9	1/0	Data input / output (x16-only device)
33	DQ2	1/0	Data input / output (x16-only device)
34	DQ10	I/O	Data input / output (x16-only device)
35	DQ3	I/O	Data input / output (x16-only device)
36	DQ11	1/0	Data input / output (x16-only device)
37	Vcc		3.0V only single power supply
38	DQ4	I/O	Data input / output (x16-only device)
39	DQ12	1/0	Data input / output (x16-only device)
40	DQ5	1/0	Data input / output (x16-only device)
41	DQ13	1/0	Data input / output (x16-only device)
42	DQ13	1/0	Data input / output (x16-only device) Data input / output (x16-only device)
43	DQ14	1/0	Data input / output (x16-only device) Data input / output (x16-only device)
43	DQ14	1/0	Data input / output (x16-only device) Data input / output (x16-only device)
45	DQ15/A-1	1/0	Data input / output (xro-only device) Data input / output (word mode) / LSB address input (byte mode)
46	Vss	- 1/0	Device ground
46	BYTE#	 -	Selects 8-bit or 16-bit mode
47	A16	1	Address input
+0	1710		nuuross input

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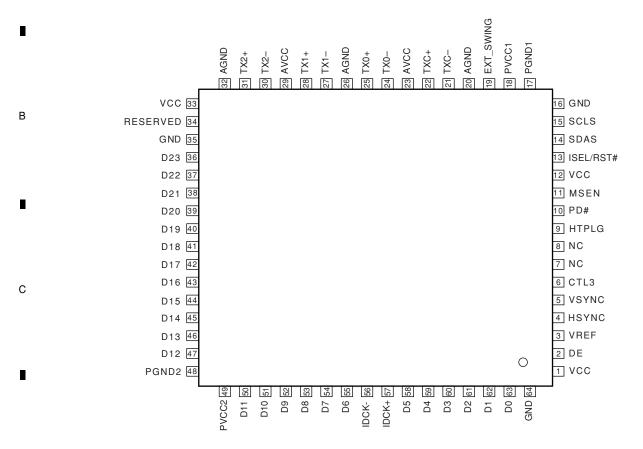
PDP-R06XE 7

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SII170BCLG64 (MR MAIN ASSY : IC7202)

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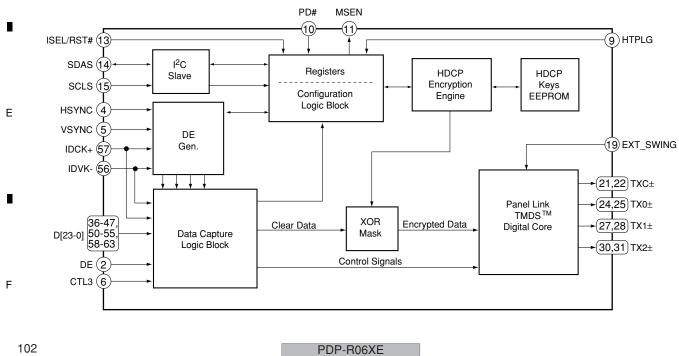
Pin Arrangement (Top view)



3

Block Diagram

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• Pin Function

5

No.	Pin Name	I/O	Pin Function
1	vcc	_	Digital power supply (3.3V)
2	DE	ı	Data enable
3	VREF	ı	3.3V fixed
4	HSYNC	I	Horizontal sync. control signal input
5	VSYNC	I	Vertical sync. control signal input
6	CTL3	I	External CTL3 input
7	NC	_	No connection
8	NC	_	No connection
9	HTPLG	ı	Monitor chrage input
10	PD#	ı	Power down input (Active low)
11	MSEN	0	Monitor sense output (open-collector output)
12	vcc	_	Digital power supply (3.3V)
13	ISEL/RST#	I	I2C interface selecting input High: I2C interface is active
14	SDAS	I/O	DDC I2C data input/output
15	SCLS	I	DDC I2C clock input
16	GND	_	Digital ground
17	PGND1	-	PLL analog ground
18	PVCC1	_	Analog power supply for PLL of primary side (3.3V)
19	EXT_SWING	I	Voltage regulation adjustment
20	AGND	_	Analog ground
21	TXC-	0	Differential signal clock output of TMDS Low voltage
22	TXC+	0	Differential signal clock output of TMDS Low voltage
23	AVCC	_	Analog power supply (3.3V)
24	TX0-	0	Differential signal clock output of TMDS Low voltage
25	TX0+	0	Differential signal clock output of TMDS Low voltage
26	AGND	_	Analog ground
27	TX1-	0	Differential signal clock output of TMDS Low voltage
28	TX1+	0	Differential signal clock output of TMDS Low voltage
29	AVCC	_	Analog power supply (3.3V)
30	TX2-	0	Differential signal clock output of TMDS Low voltage
31	TX2+	0	Differential signal clock output of TMDS Low voltage
32	AGND	-	Analog ground
33	vcc	_	Digital power supply (3.3V)
34	RESERVED	I	Reserved pin for Silicon Image Normally, fixed to low.
35	GND	_	Digital ground
36	D23	I	24-bit pixel bus input
37	D22	I	24-bit pixel bus input
38	D21	I	24-bit pixel bus input
39	D20	I	24-bit pixel bus input
40	D19	I	24-bit pixel bus input

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В

	No.	Pin Name	I/O	Pin Function
	41	D18	1	24-bit pixel bus input
	42	D17	I	24-bit pixel bus input
	43	D16	I	24-bit pixel bus input
	44	D15	1	24-bit pixel bus input
	45	D14	I	24-bit pixel bus input
	46	D13	- 1	24-bit pixel bus input
	47	D12	1	24-bit pixel bus input
	48	PGND2	-	PLL analog ground
	49	PVCC2	-	Analog power supply for filter PLL (3.3V)
	50	D11	I	24-bit / 12-bit pixel bus input
	51	D10	1	24-bit / 12-bit pixel bus input
	52	D9	- 1	24-bit / 12-bit pixel bus input
	53	D8	I	24-bit / 12-bit pixel bus input
	54	D7	- 1	24-bit / 12-bit pixel bus input
	55	D6	- 1	24-bit / 12-bit pixel bus input
	56	IDCK-	I	Data clock - input
	57	IDCK+	ı	Data clock + input
,	58	D5	- 1	24-bit / 12-bit pixel bus input
	59	D4	- 1	24-bit / 12-bit pixel bus input
	60	D3	ı	24-bit / 12-bit pixel bus input
	61	D2	ı	24-bit / 12-bit pixel bus input
	62	D1	I	24-bit / 12-bit pixel bus input
	63	D0	I	24-bit / 12-bit pixel bus input
Ì	64	GND	-	Digital ground

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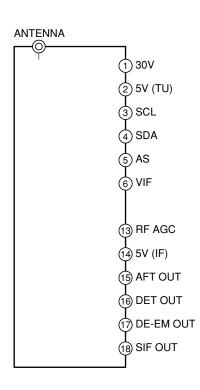
1 2 3 4

AXF1149 (MR MAIN ASSY : U4401)

• Front End

• Pin Arrangement

5



• Pin Function

5

No.	Pin Name	Pin Function
1	30V	Power supply for 30V
2	5V (TU)	Power supply for tuner
3	SCL	
4	SDA	Terminal for I ² C bus control
5	AS	
6	VIF	VIF output
13	RF AFG	RF AGC terminal
14	5V (IF)	Power supply for IF
15	AFT OUT	Analog AFT output
16	DET OUT	VIDEO output (Typical = 1.0Vp-p)
17	DE-EM OUT	Audio output
18	SIF OUT	SIF output

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PDP-R06XE

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1 2 3 4

■ AXY1117 (MR MAIN ASSY)

• 3 Outputs DD Control Unit

• Pin Arrangement

14 Vin Vo2 _ 2 13 Vin Vo2 В ☐ 3 GND GND 12 🗌 **GND** ON/OFF GND ☐ 6 11 GND 10 🗌 GND 9 Vo1 С 8 Vo3 □ 7 Vo1

Pin Function

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No.	Pin Name	Pin Function	
1	Vin	In the second se	
2	Vin	- Input	
3	GND		
4	GND	Ground for input side	
5	ON/OFF	Output ON/OFF	
6	GND	Ground for output side	
7	Vo3	1.8V output	
8	Vo1	3.3V output	
9	Vo1	3.3V output	
10	GND		
11	GND	Ground for output side	
12	GND		
13	Vo2	1.2V output	
14	Vo2	1.2V output	

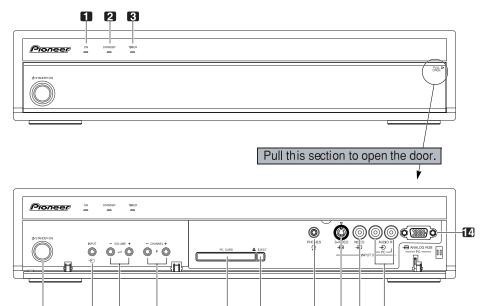
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8. PANEL FACILITIES

8.1 PDP-R06XE

■ Front view



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010 012 013

- 1 POWER ON indicator
- STANDBY indicator
- TIMER indicator
- STANDBY/ON button
- 5 **INPUT** button
- **VOLUME +/-** buttons
- 7 CHANNEL +/- buttons
- 8 PC CARD slot
- 9 PC CARD EJECT button

В

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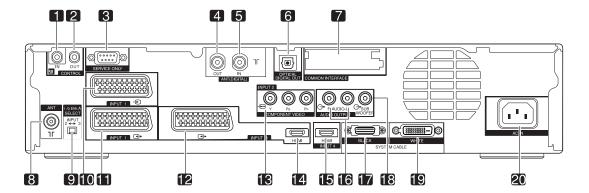
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- 10 PHONES output terminal
- 11 INPUT 5 terminal (S-VIDEO)
- 12 INPUT 5 terminal (VIDEO)
- 13 INPUT 5/PC INPUT terminal (AUDIO)
- 14 PC INPUT terminal (ANALOG RGB)

■ Rear view

4

6 6 7



- 1 **CONTROL IN terminal**
- 2 CONTROL OUT terminal
- **3** RS-232C terminal (used for factory setup)
- **4** ANT OUT terminal (Antenna through out)
- **5** ANT IN terminal (Antenna in for DTV)
 - Power can be supplied through this terminal
- 6 DIGITAL OUT terminal (OPTICAL)
- 7 COMMON INTERFACE slot
 - For a CA Module with a smart card
- 8 ANT (Antenna) input terminal
- 9 i/o link.A SELECT switch

5

- 10 INPUT 1 terminal (SCART)
- 11 INPUT 2 terminal (SCART)
- 12 INPUT 3 terminal (SCART)
- 13 INPUT 2 terminal

(COMPONENT VIDEO: Y, PB, PR)

- **14** INPUT 3 terminal (HDMI)
- 15 INPUT 4 terminal (HDMI)
- 16 AUDIO OUTPUT termimals
- 17 SYSTEM CABLE terminal (BLACK)
- 18 SUB WOOFER OUTPUT terminal
- 19 SYSTEM CABLE terminal (WHITE)
- 20 AC IN terminal

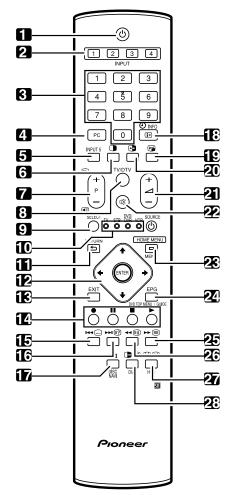
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PDP-R06XE

■ Remote control unit

This section describes the functions of the buttons available when the TV mode has been selected using the **SELECT** button.



1 ტ

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

3 0-9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

E 4 PC

Selects the PC terminal as an input source.

5 INPUT 5

Selects INPUT 5 as the input source of the Plasma Display.

6 1

Switches the screen mode among 2-screen, picture-inpicture, and single-screen.

7 P+/P-

TV/External input mode: Selects a channel.

TELETEXT mode: Selects a page.

8 TV/DTV

Switches between the TV and DTV input modes.

9 SELECTSwitches the selection among TV, STB, DVD/DVR, and VCR, so that you can control other equipment in connection, using the supplied remote control unit.

10 TV, STB, DVD/DVR, VCR

These indicators show the current selection and status when you control other equipment in connection using the supplied remote control unit.

11 ⊃ RETURN

Restores the previous menu screen.

12 ♠/♦/♦/→

Selects a desired item on the setting screen.

ENTER

Executes a command.

13 EXIT

Returns to the normal screen in one step.

14 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

15 \cdots

TV/External input mode: Jumps to the Teletext subtitle page. DTV input mode: Turns subtitle on and off.

16 🗊

TELETEXT mode: Displays hidden characters.

17 I-II

Sets the sound multiplex mode.

18 🕀 🕘 INFO

TV/External input mode: Displays the channel information. DTV input mode: Displays the banner information.

19 🕝

Moves the location of the small screen when in the picture-in-picture mode.

20 🖸

Switches between the two screens when in the 2-screen or picture-in-picture mode.

21 4+/4-

Sets the volume.

22 🕸

Mutes the sound.

23 HOME MENU

TV/External Input mode: Displays the Menu screen.

24 EPG

Display the Electronic Programme Guide.

25 ⊜

Selects the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

26 **(i)**

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

27 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

28

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

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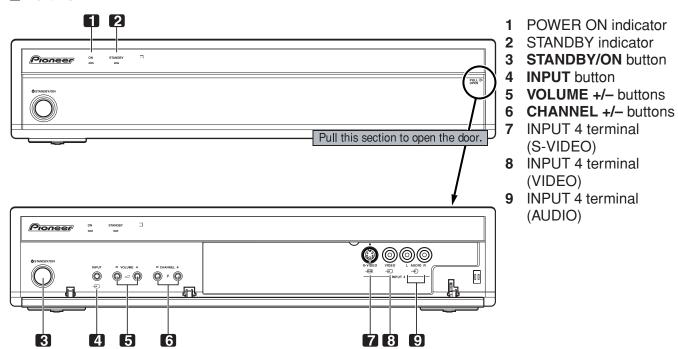
TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

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8.2 PDP-R06FE

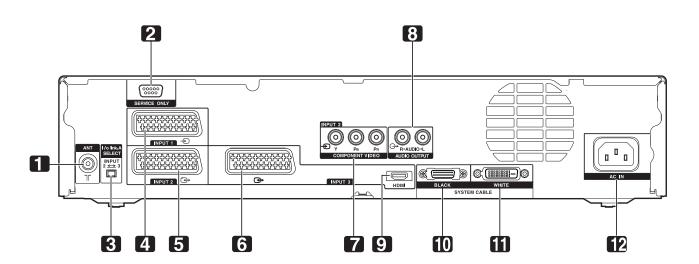
■ Front view



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6

■ Rear view



- 1 ANT (Antenna) input terminal
- 2 RS-232C terminal (used for factory setup)
- 3 i/o link.A SELECT switch
- 4 INPUT 1 terminal (SCART)
- 5 INPUT 2 terminal (SCART)
- 6 INPUT 3 terminal (SCART)

- 7 INPUT 2 terminals (COMPONENT VIDEO: Y, PB, PR)
- 8 AUDIO OUTPUT termimals
- 9 INPUT 3 terminal (HDMI)
- **10** SYSTEM CABLE terminal (BLACK)
- 11 SYSTEM CABLE terminal (WHITE)
- 12 AC IN terminal

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В

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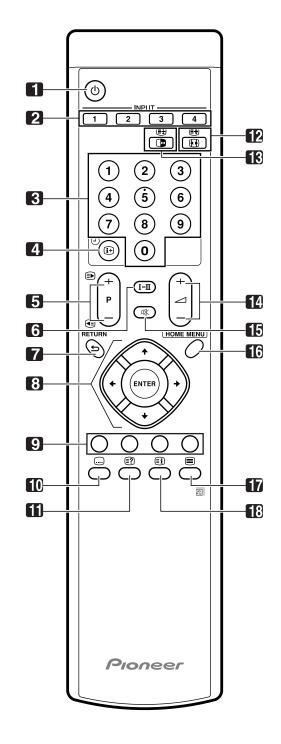
PDP-R06XE

HUONE

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■ Remote control unit

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1 🖔

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

3

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

30 - 9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

4 (i+) (i

Displays the channel information.

5 P+/P-

TV/External input mode: Selects a channel.
□ (□)

TELETEXT mode: Selects a page.

6 І-П

Sets the sound multiplex mode.

7 ⊃ RETURN

Restores the previous menu screen.

8 **↑**/**↓**/**♦**/**→**

Selects a desired item on the setting screen.

ENTER

Executes a command.

9 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

10

Jumps to the Teletext subtitle page.

11 ፪?

Displays hidden characters.

12 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

13 🗅

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

€

TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

14 🛮 + /🗷 🗕

Sets the volume.

15 🕸

Mutes the sound.

16 HOME MENU

TV/External Input mode: Displays the Menu screen.

17 ■

Selects the TELETEXT mode.

(all TV image, all TEXT image, TV/TEXT image)

18 🗐

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

110

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PDP-R06XE

5 В С D Ε 111 PDP-R06XE 5 8

2 3 4

A ■ Cleaning

• Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools	Remark
Fans	Cleaning paper : GED-008	Refer to "2.3 EXTERIOR SECTION" , "7.1.2 DISASSEMBLY SECTION".

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PDP-R06XE

Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3276

MEDIA RECEIVER

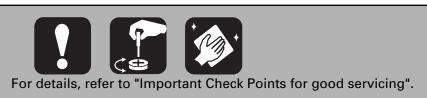
PDP-R06XE PDP-R06FE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-R06XE	WYVIXK5	AC220-240V	
PDP-R06FE	WYVI5	AC220-240V	
PDP-R06FE	WYVIXK5	AC220-240V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-R06XE, PDP-R06FE	ARP3275	EXPLODED VIEWS, BLOCK DIAGRAM etc.



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

SAFETY INFORMATION



В

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

3

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

4

PDP-R06XE

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

5



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

PDP-R06XE

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3. SCHEMATIC DIAGF
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3.3 MR MAIN ASSY

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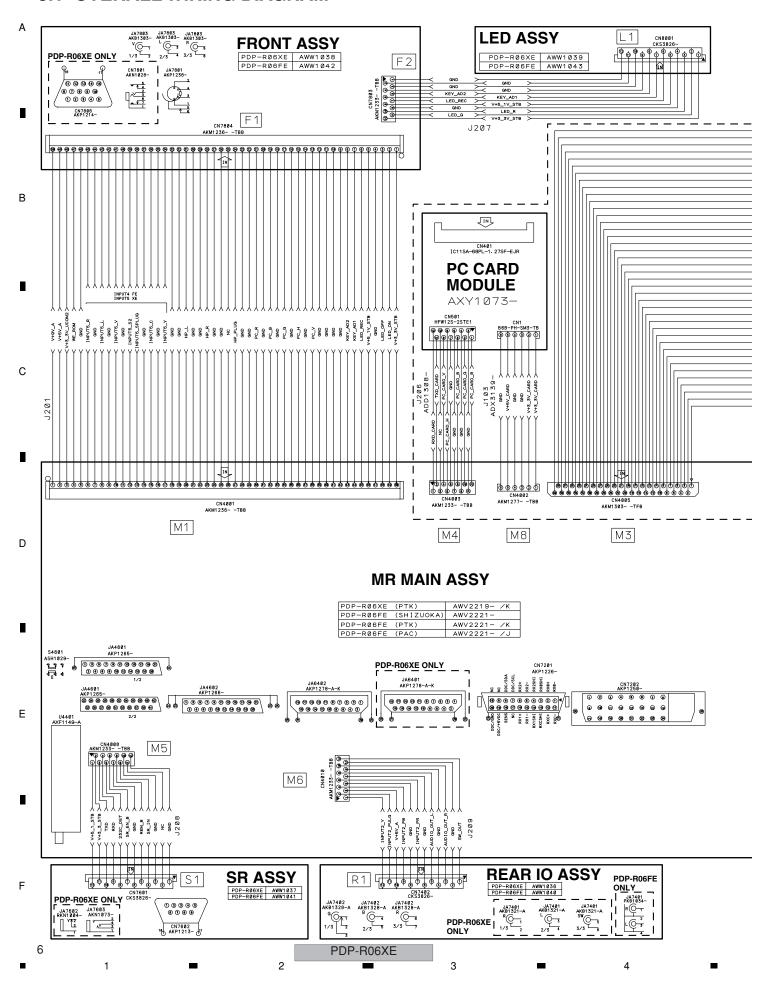
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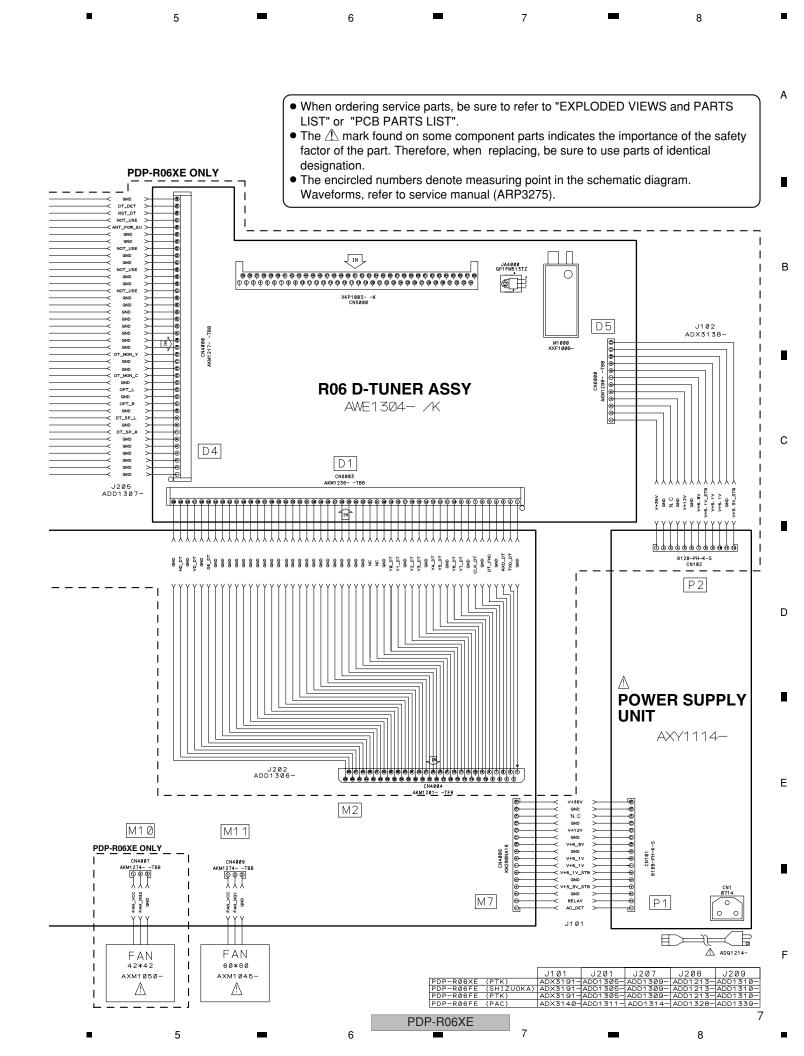
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3. SCHEMATIC DIAGRAM

3.1 OVERALL WIRING DIAGRAM



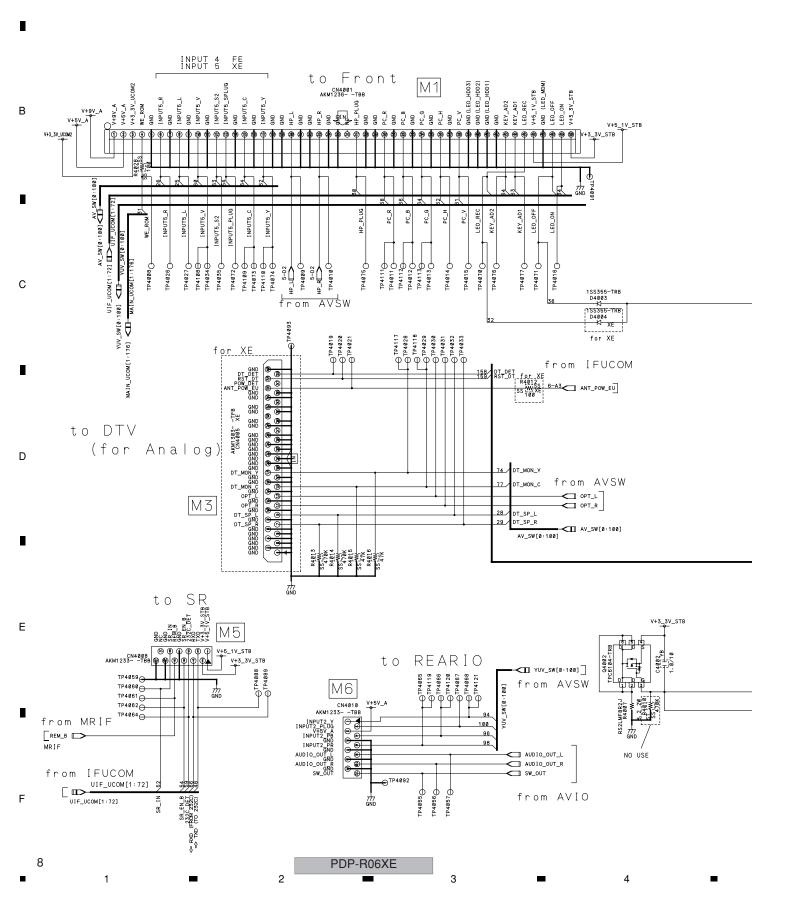


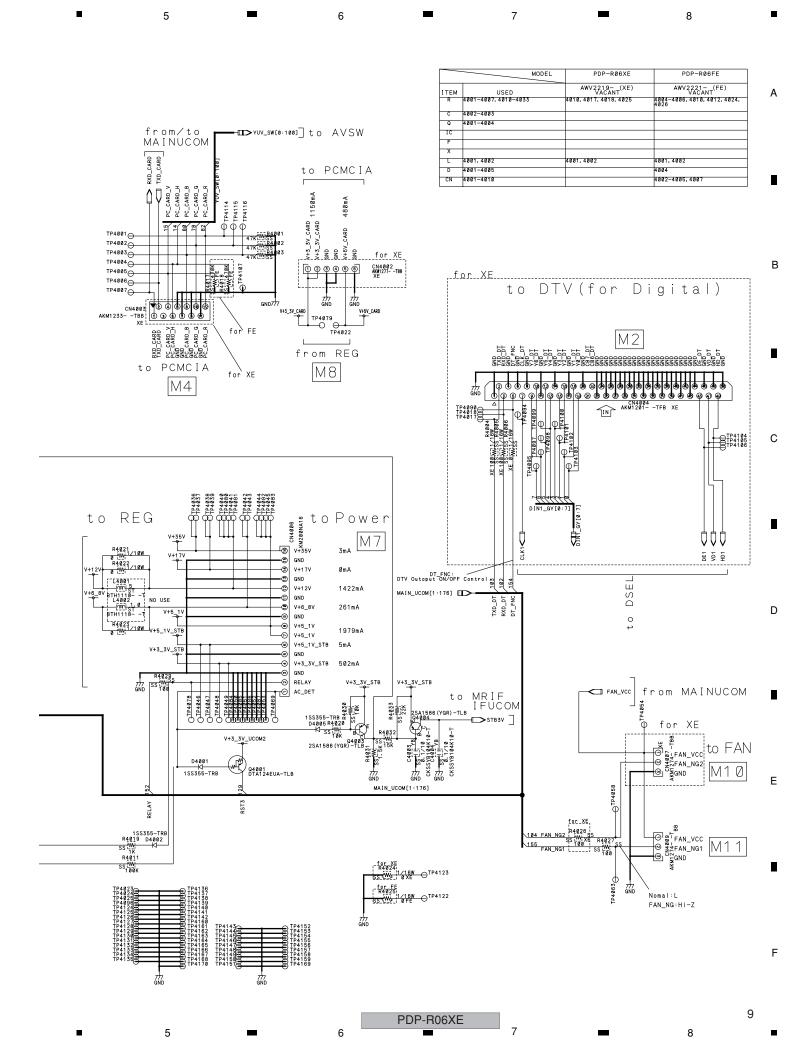
3.2 MR MAIN ASSY (1/15)

MR MAIN ASSY (1/15)

• BOARD IF BLOCK

NO_USE |----|: STANDBY



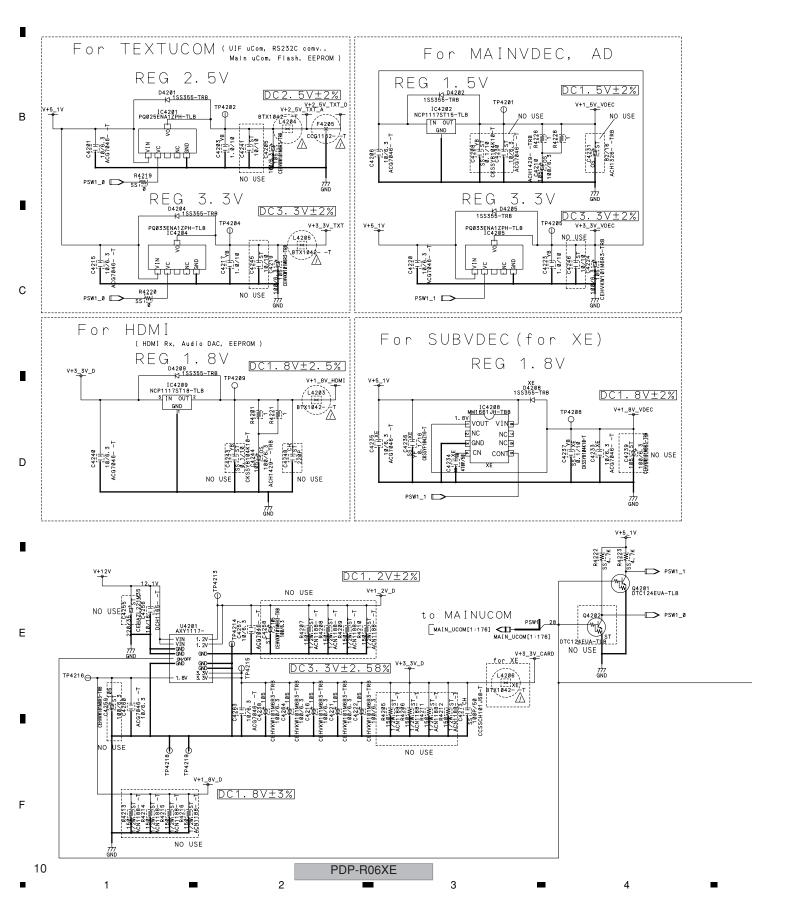


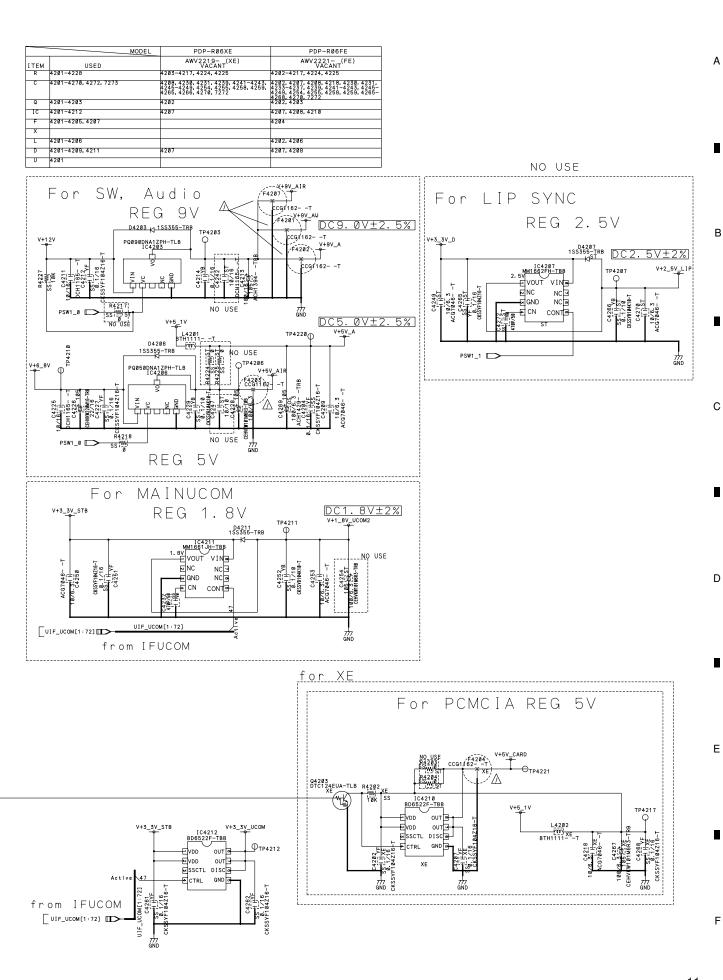
3.3 MR MAIN ASSY (2/15)

MR MAIN ASSY (2/15)

REG BLOCK

NO USE : STANDBY



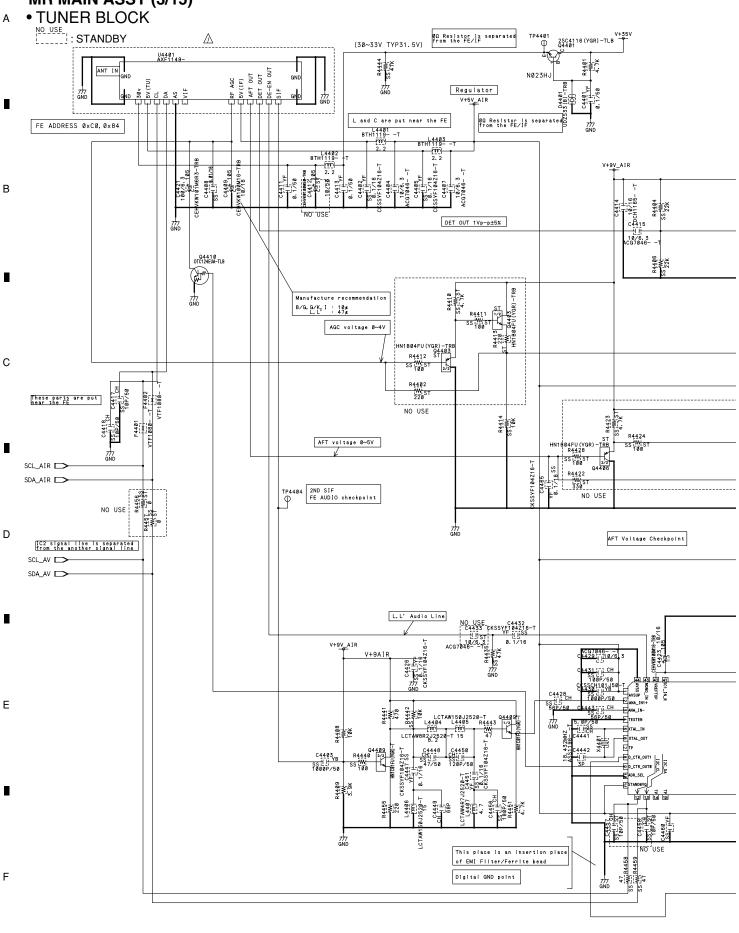


PDP-R06XE

3.4 MR MAIN ASSY (3/15)

MR MAIN ASSY (3/15)

12



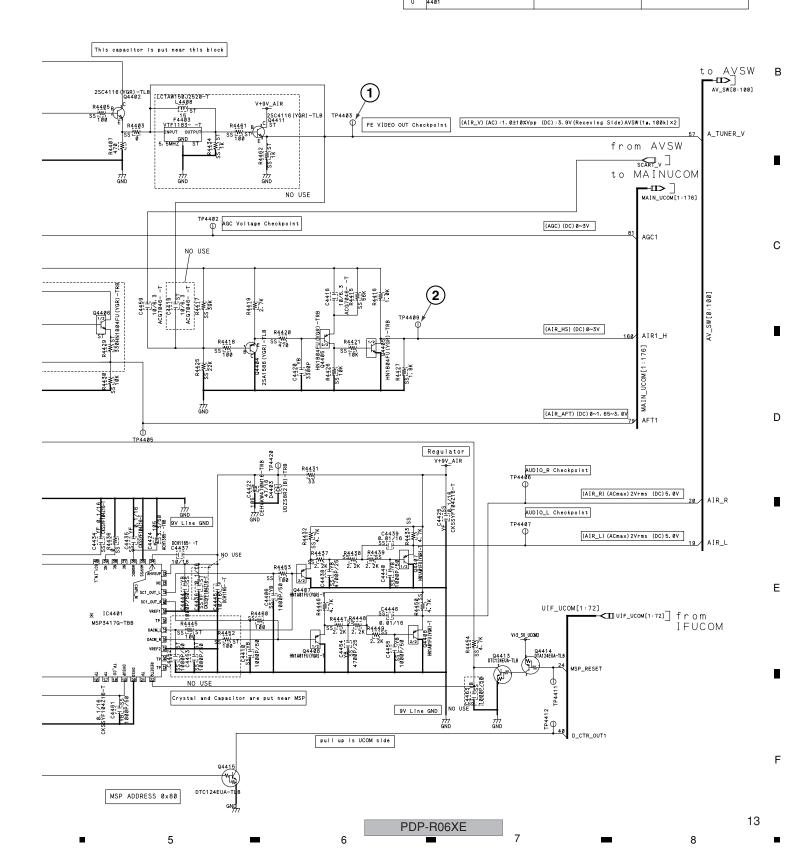
PDP-R06XE

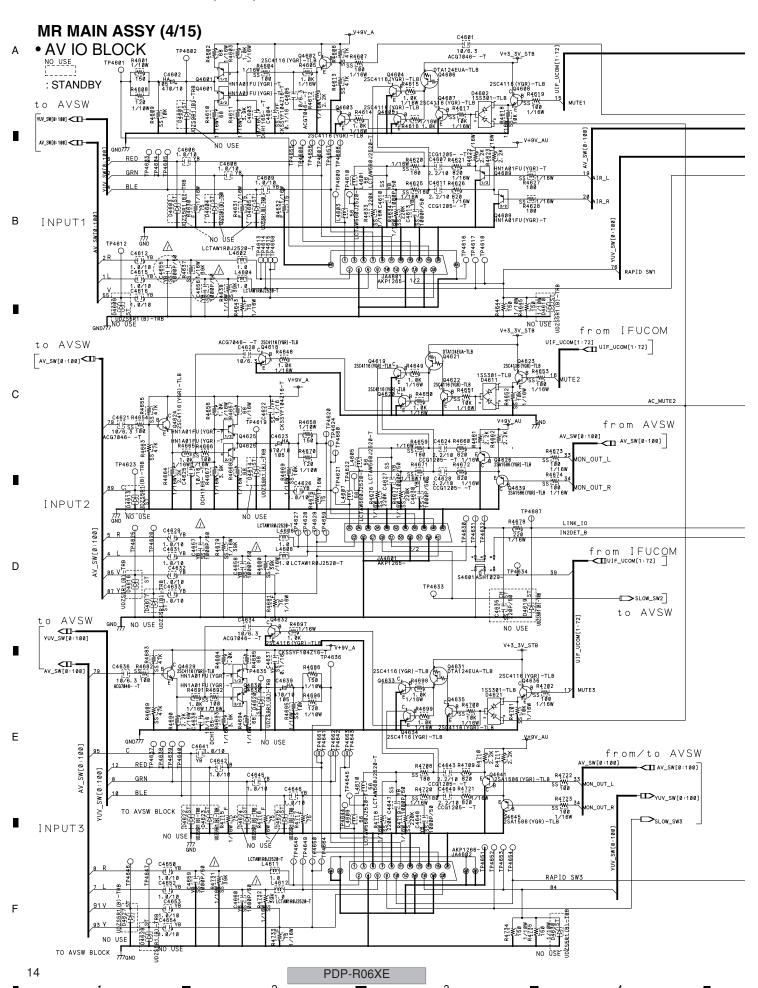
MODEL PDP-R06XE PDP-R06FE

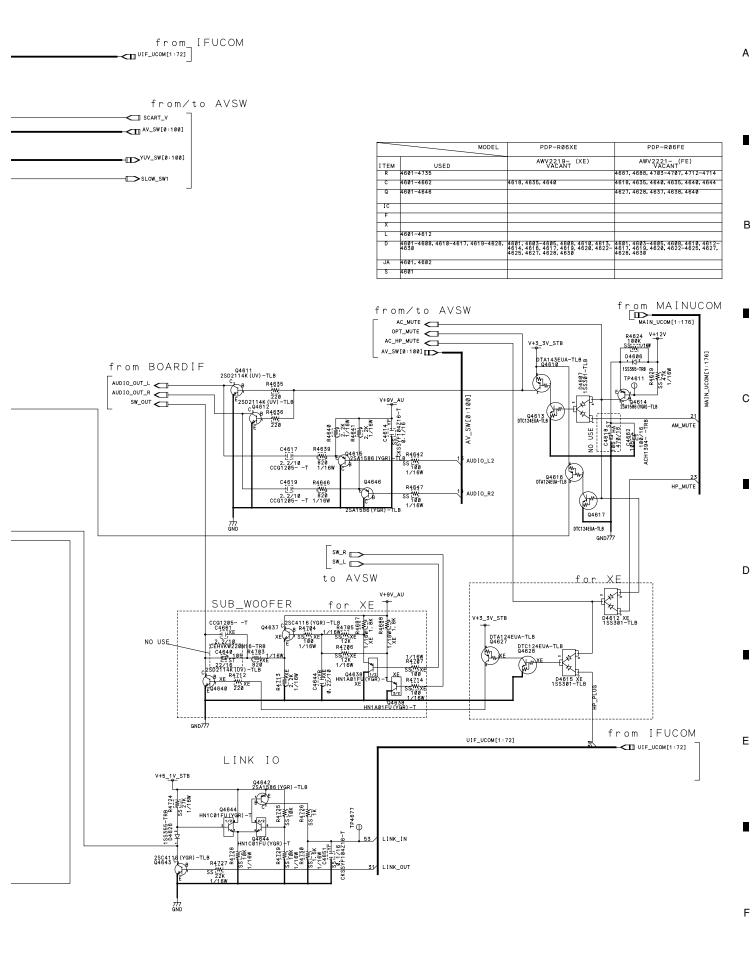
ITEM USED AWV2219_ (XE) AWV2221_ (FE)

R 4481-4462 4419-4452 4428-4419-4413, 4422-4424, 4428, 4482-4418-4413, 4422-4426, 4428, 4432-44418-4452, 4456, 4457, 4461, 4452, 4456, 4457, 4461, 4452, 4456, 4457, 4461, 4462, 4461, 4463, 4468, 4461, 4462, 4461, 4463, 4468, 4461, 4463, 4468, 4461, 4463, 4468, 4461, 4463, 446

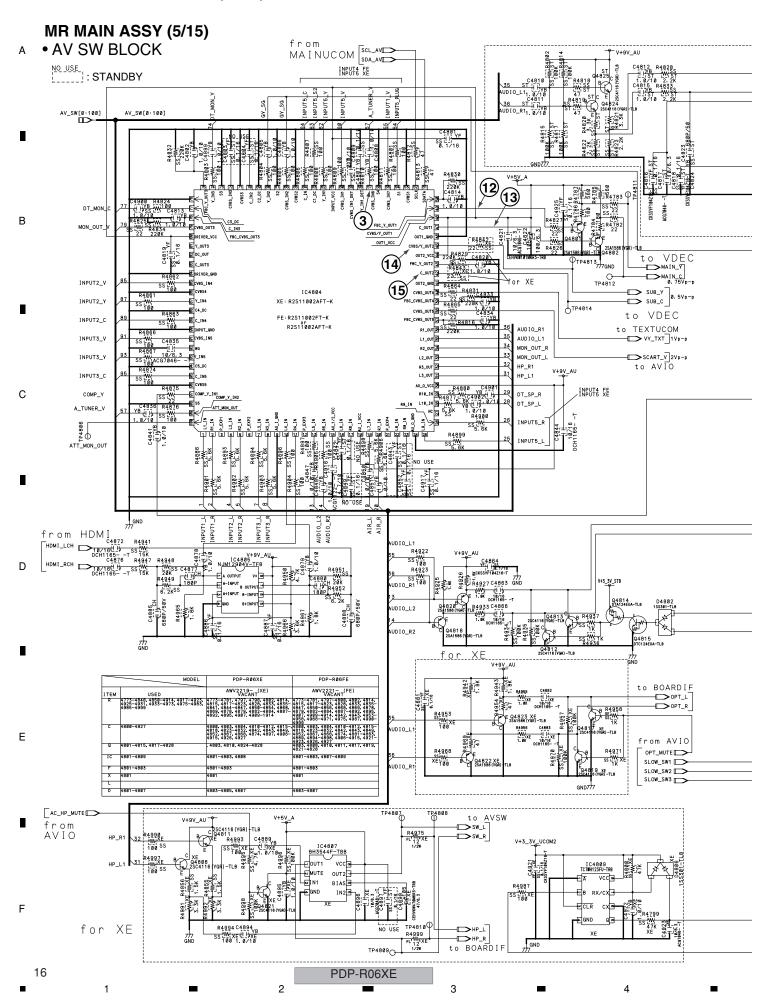
This block is separated from the FE/IF and put near the Regulator block.

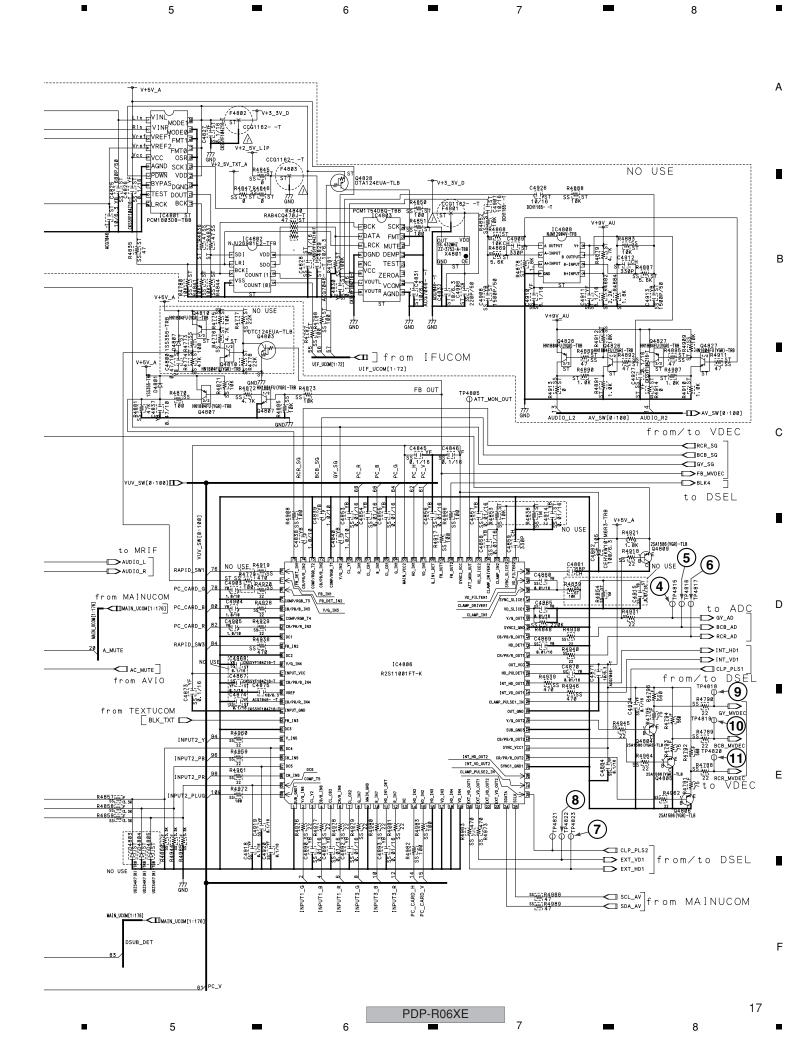






PDP-R06XE





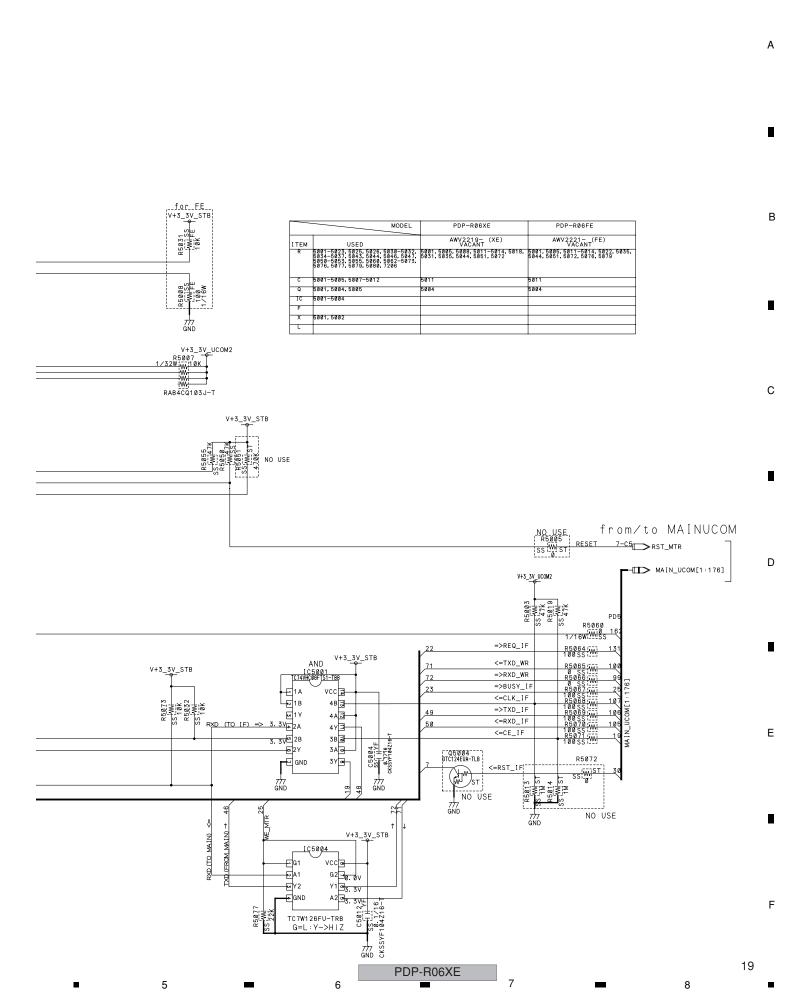
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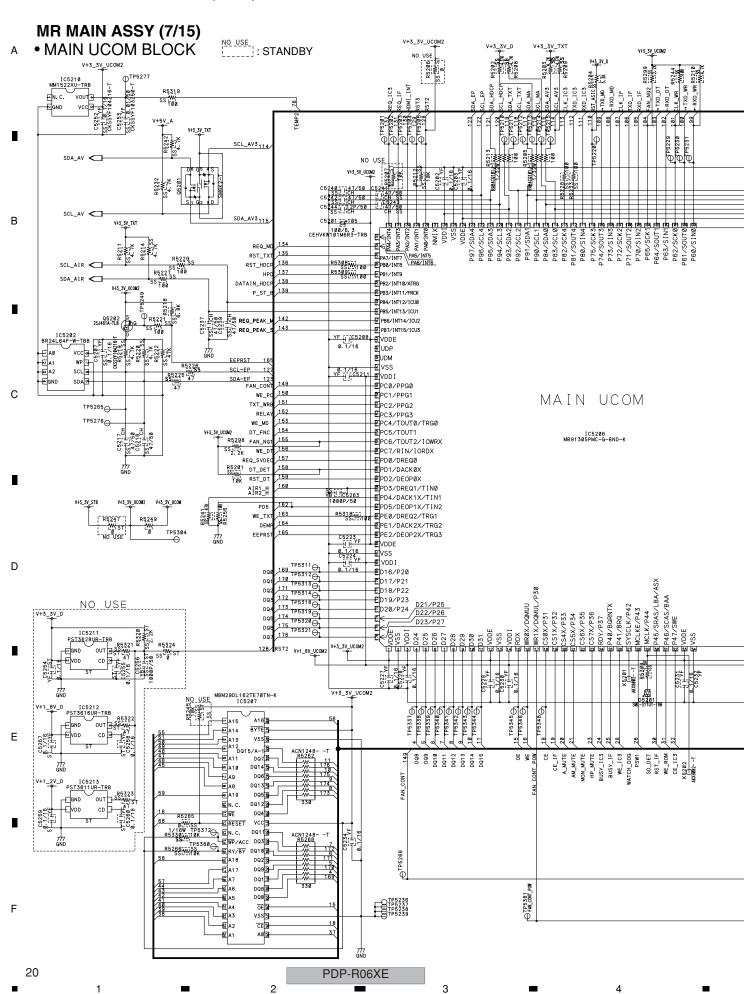
9.83MHz

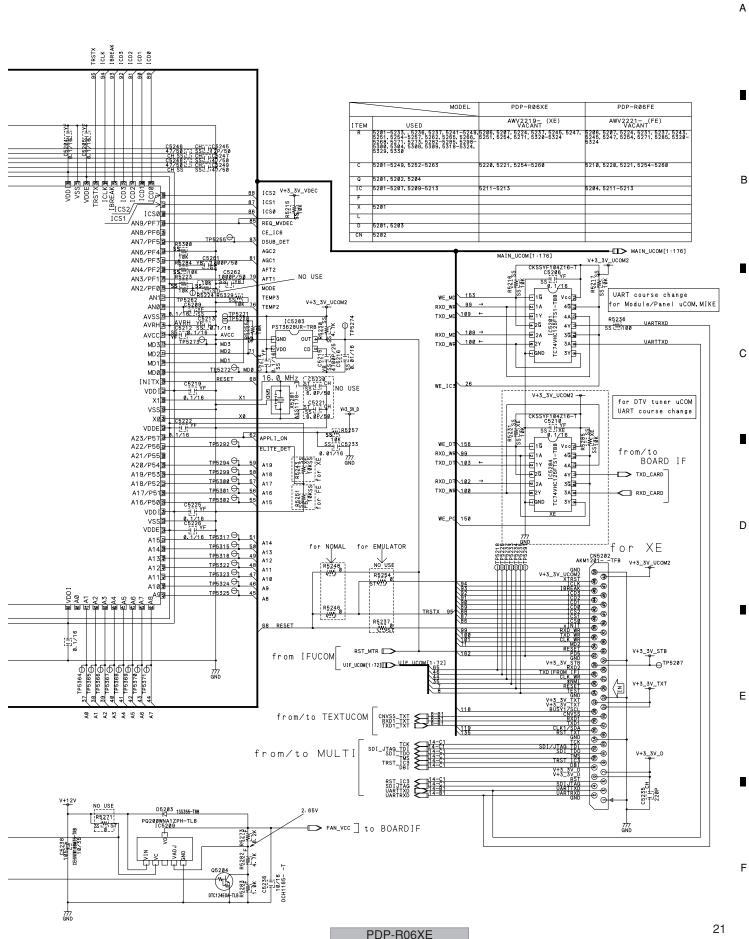
EXP-A3 COUNTØ EXP-A2 COUNT1 EXP-A1 LS_MUTE EXP-A0 HOT_P1

32.768KHz

66 RXD (FROM 232C) =>



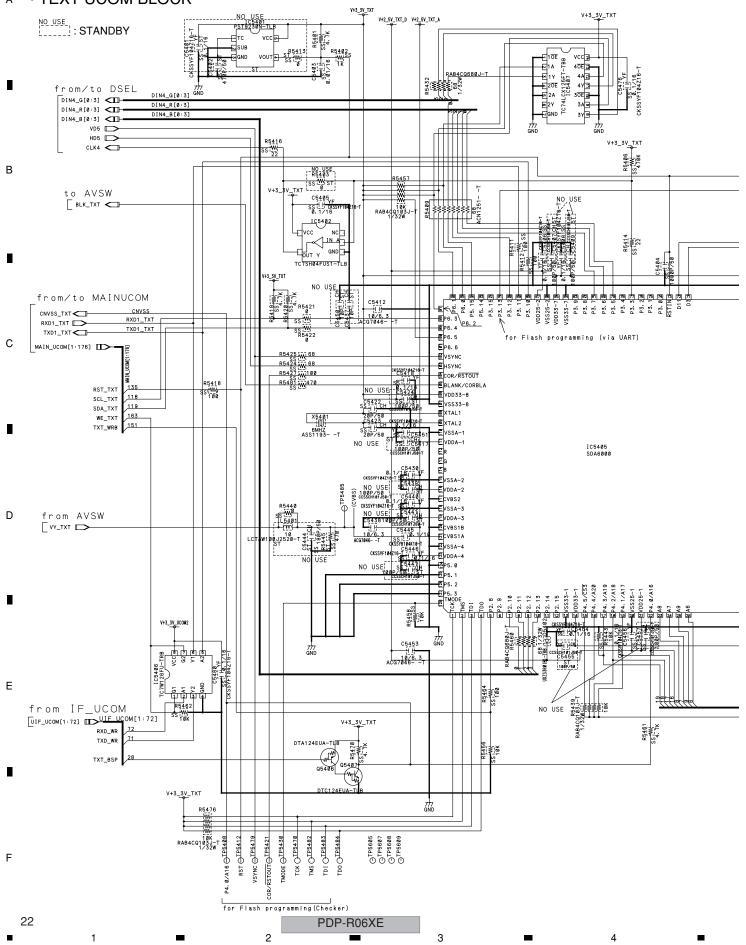


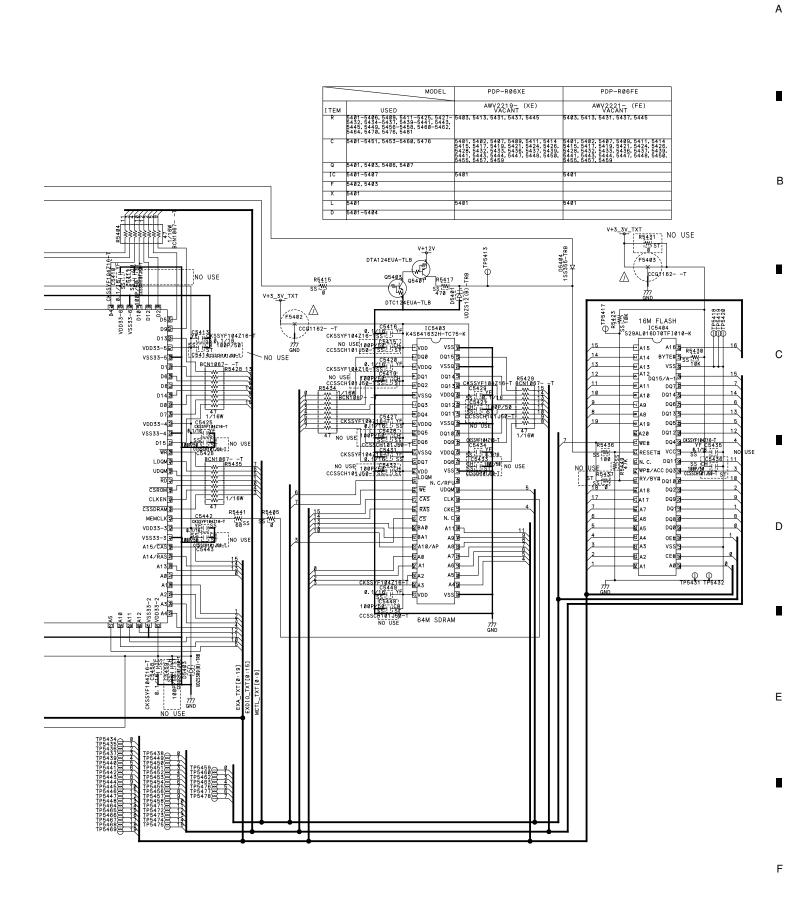


3.9 MR MAIN ASSY (8/15)

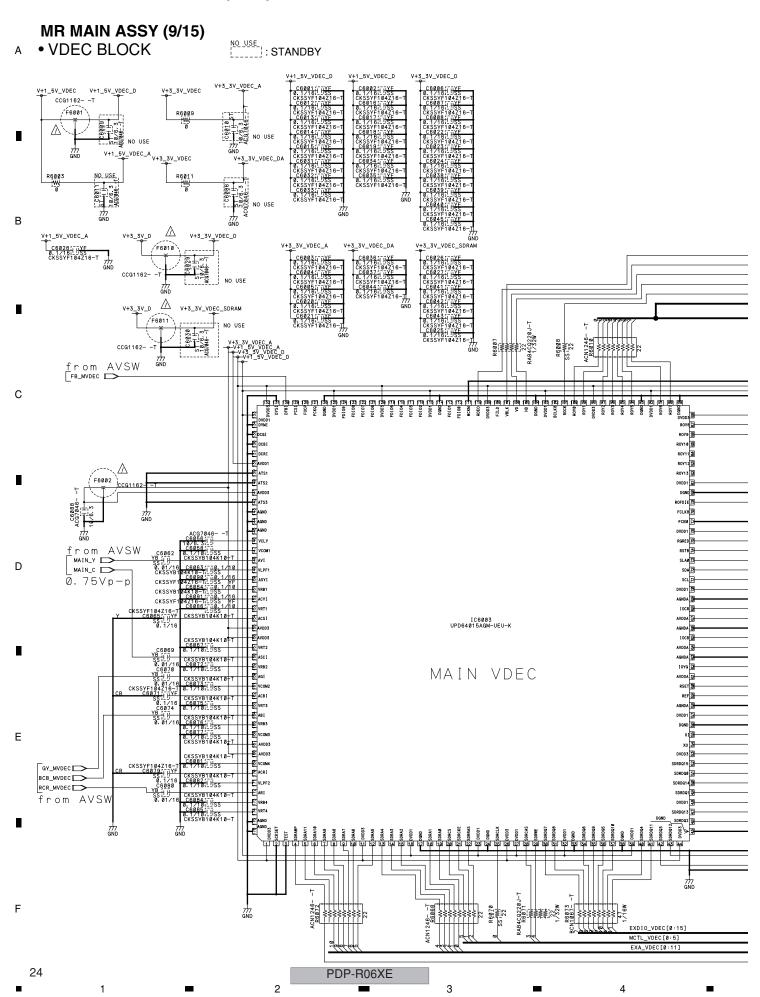
MR MAIN ASSY (8/15)

• TEXT UCOM BLOCK

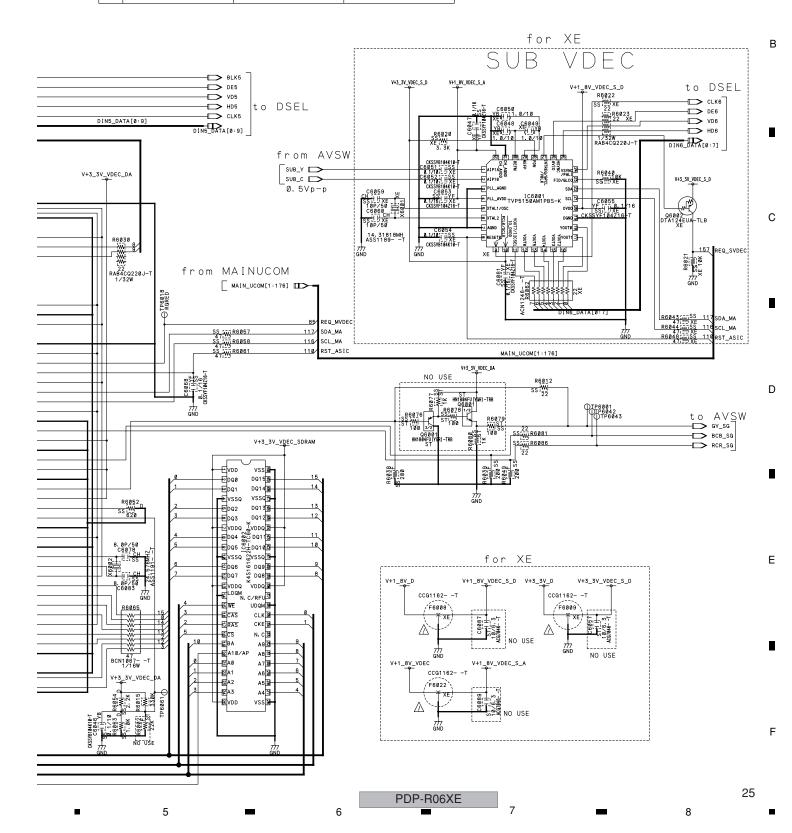


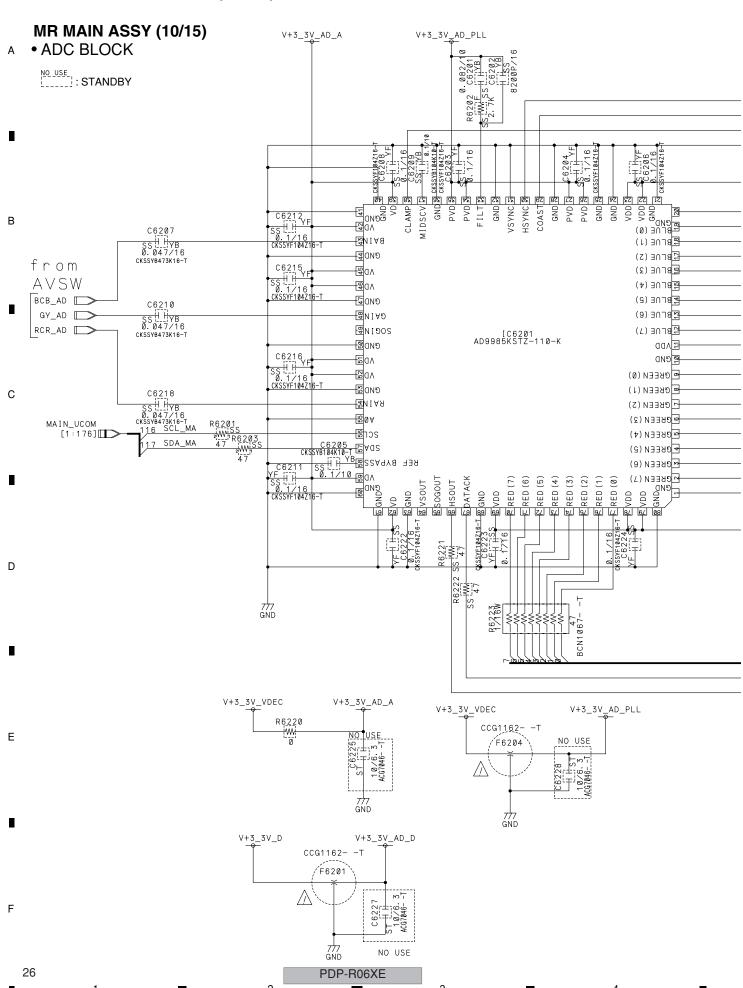


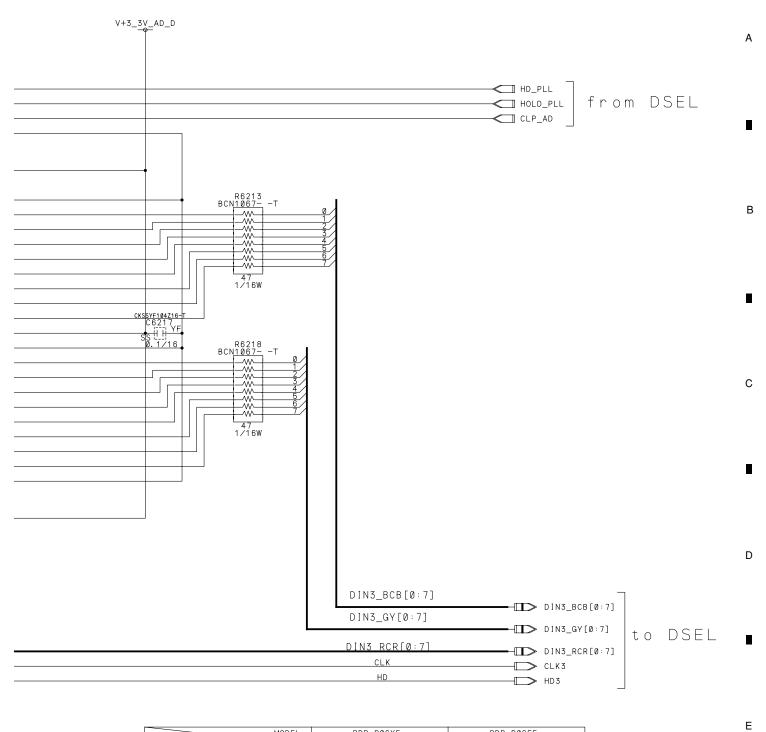
PDP-R06XE



	MODEL	PDP-RØ6XE	PDP-RØ6FE
ITEM	USED	AWV2219- (XE) VACANT	AWV2221- (FE) VACANT
	6002, 6003, 6007-6012, 6015, 6020- 6023, 6030, 6038-6040, 6043, 6044, 6048, 6049, 6052, 6054, 6057, 6058, 6061-6063, 6065, 6068, 6070-6073, 6076-6081, 6086	6002,6076-6080	6002, 6020-6023, 6040, 6043, 6044, 6048, 6062, 6076-6079, 6080
С	6001-6091	6009-6011, 6029, 6030, 6057, 6086, 6087, 6089	6009-6011, 6029, 6030, 6047-6055, 6057, 6059-6061, 6086, 6087, 6089
Q	6001,6002	6001	6001.6002
IC	6001-6003		6001
F	6001, 6002, 6008-6011, 6022		6008, 6009, 6022
Х	6001, 6002		6001
L			







	MODEL	PDP-R06XE	PDP-R06FE
ITEM	USED	AWV2219- (XE) VACANT	AWV2221- (FE) VACANT
	6201-6203, 6213, 6218, 6220-6223		
С	6201-6212, 6215-6218, 6222-6225, 6227, 6228	6225, 6227, 6228	6225, 6227, 6228
Q			
IC	6201		
F	6201, 6204		
Х			
L			

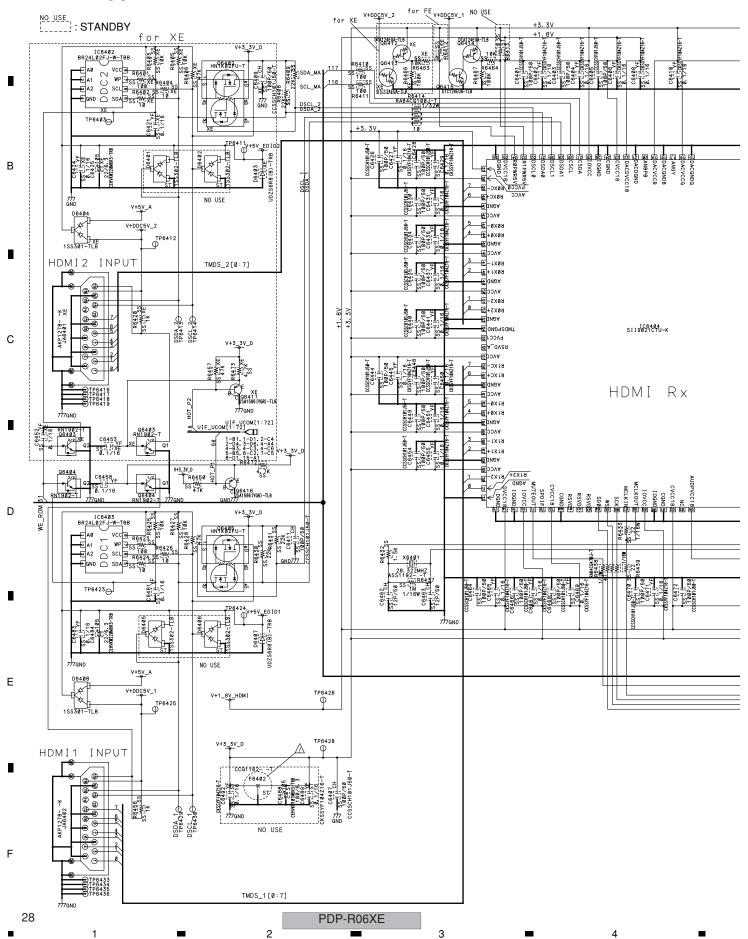
PDP-R06XE

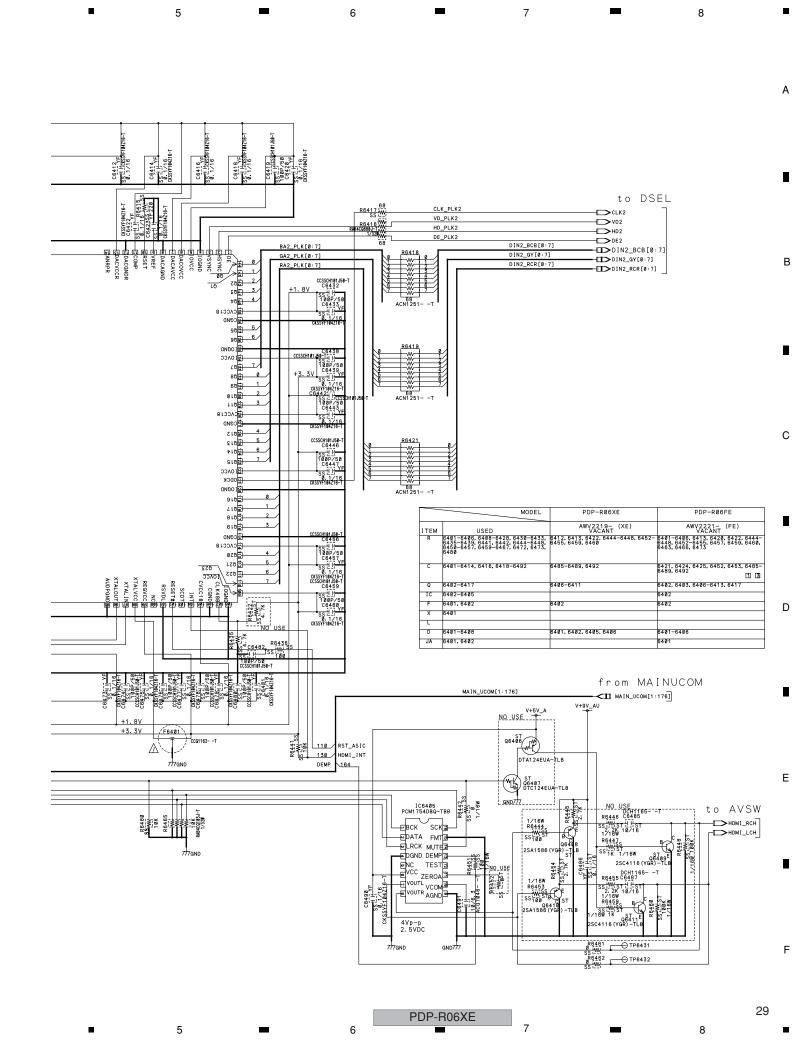
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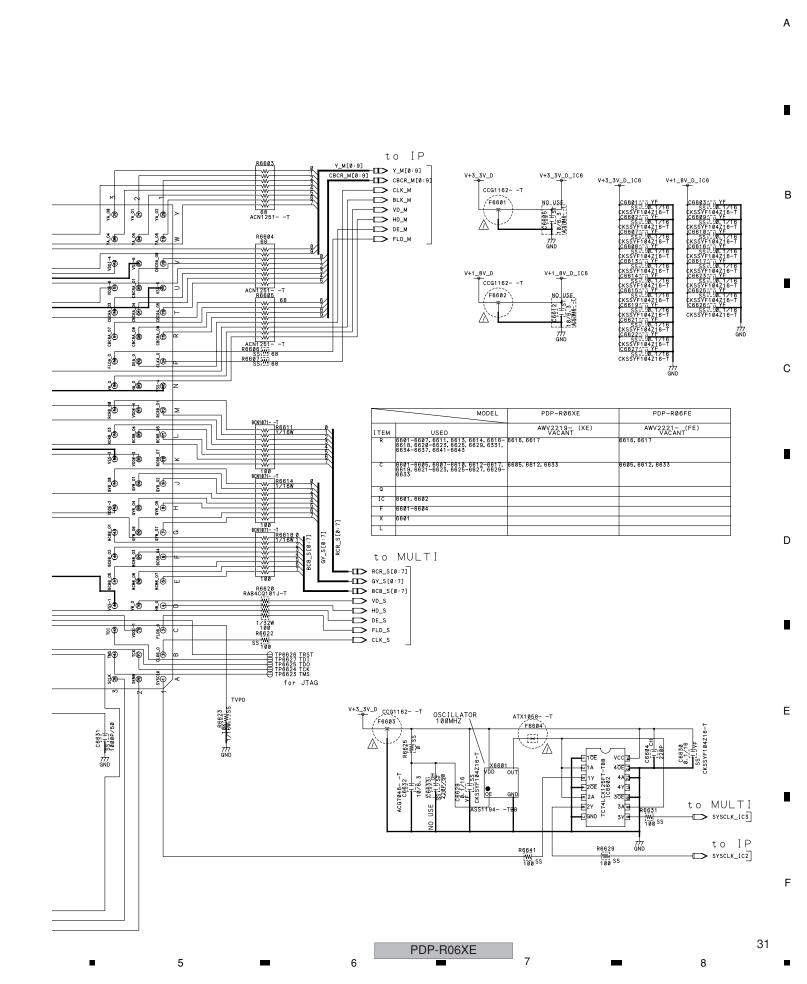
3.12 MR MAIN ASSY (11/15)

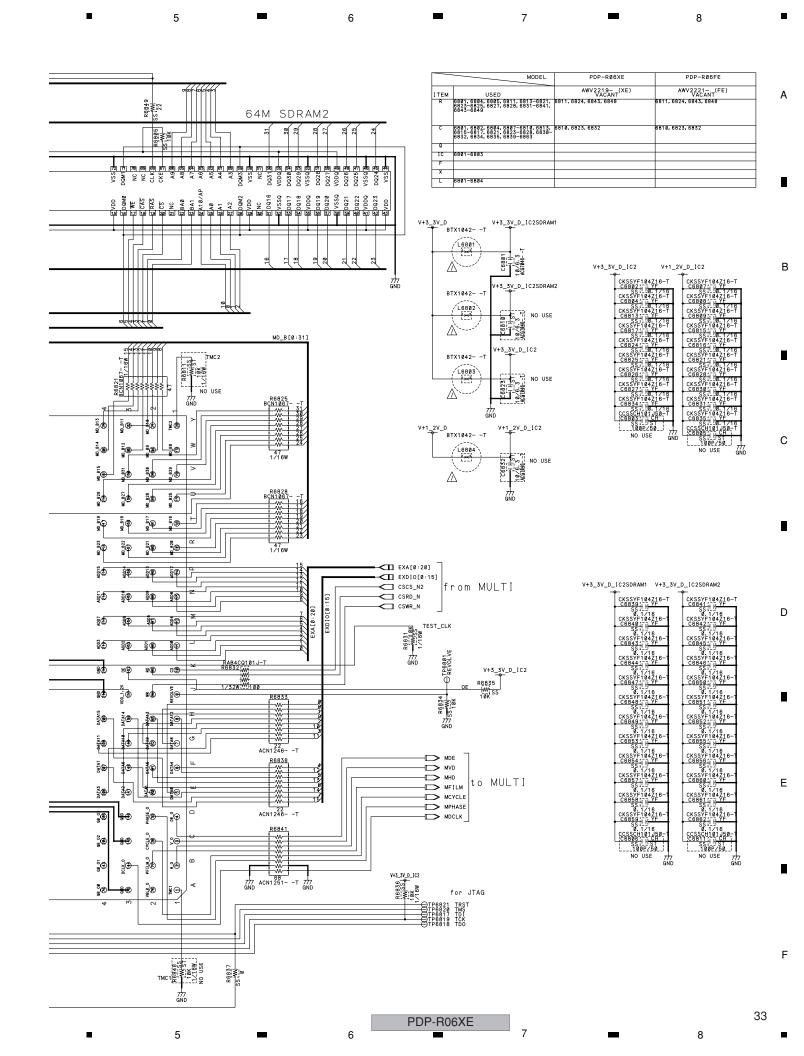
MR MAIN ASSY (11/15)

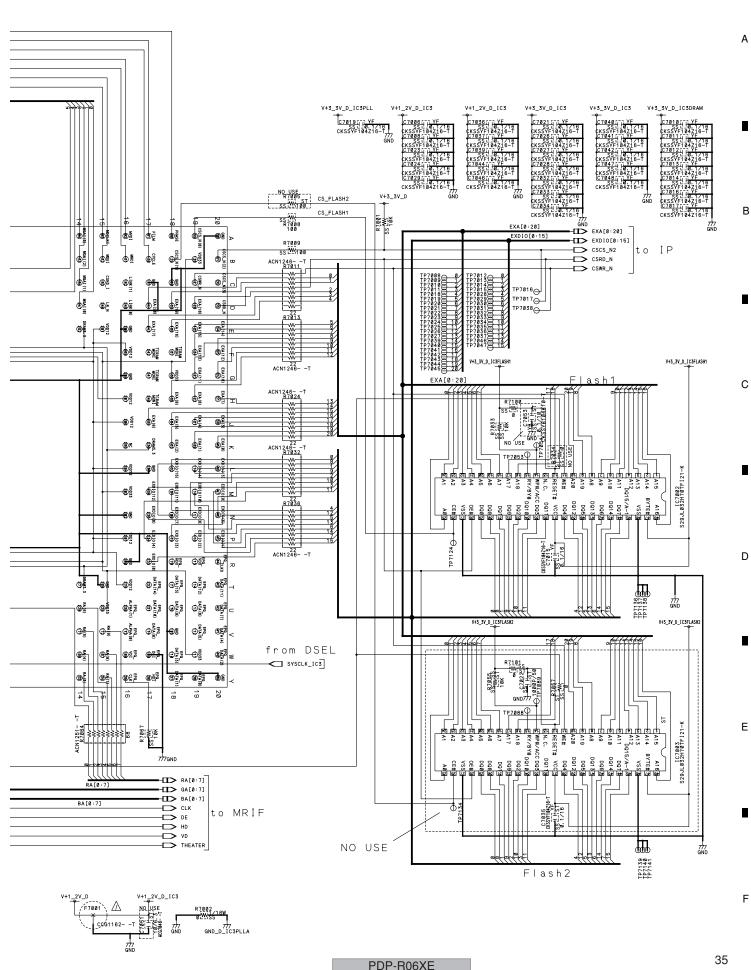
HDMI BLOCK

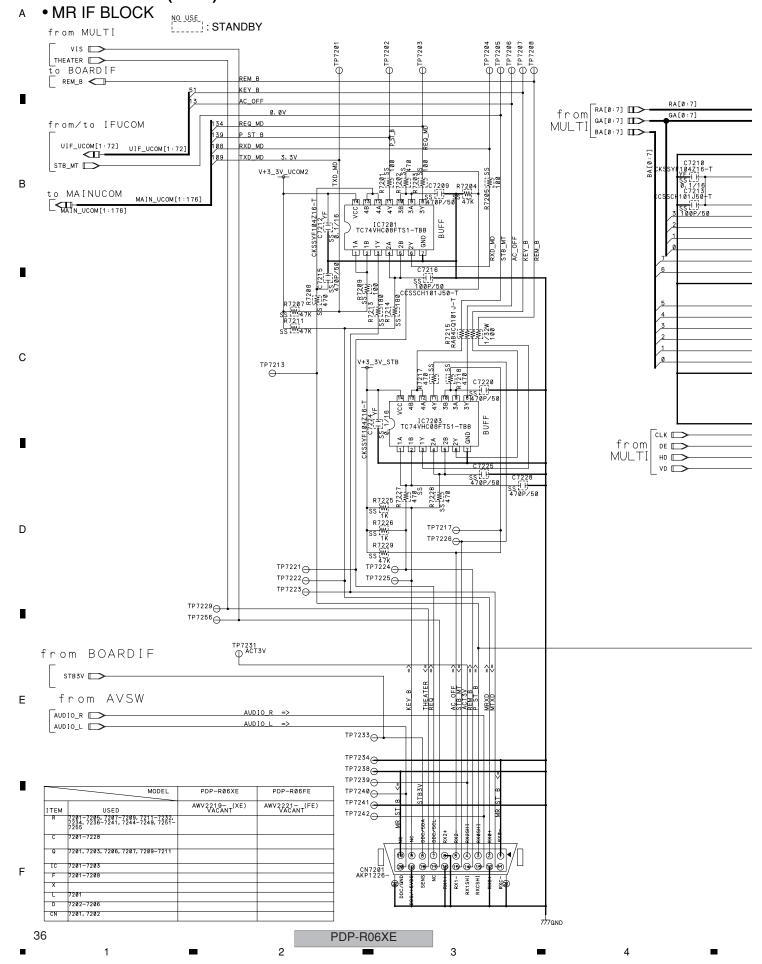


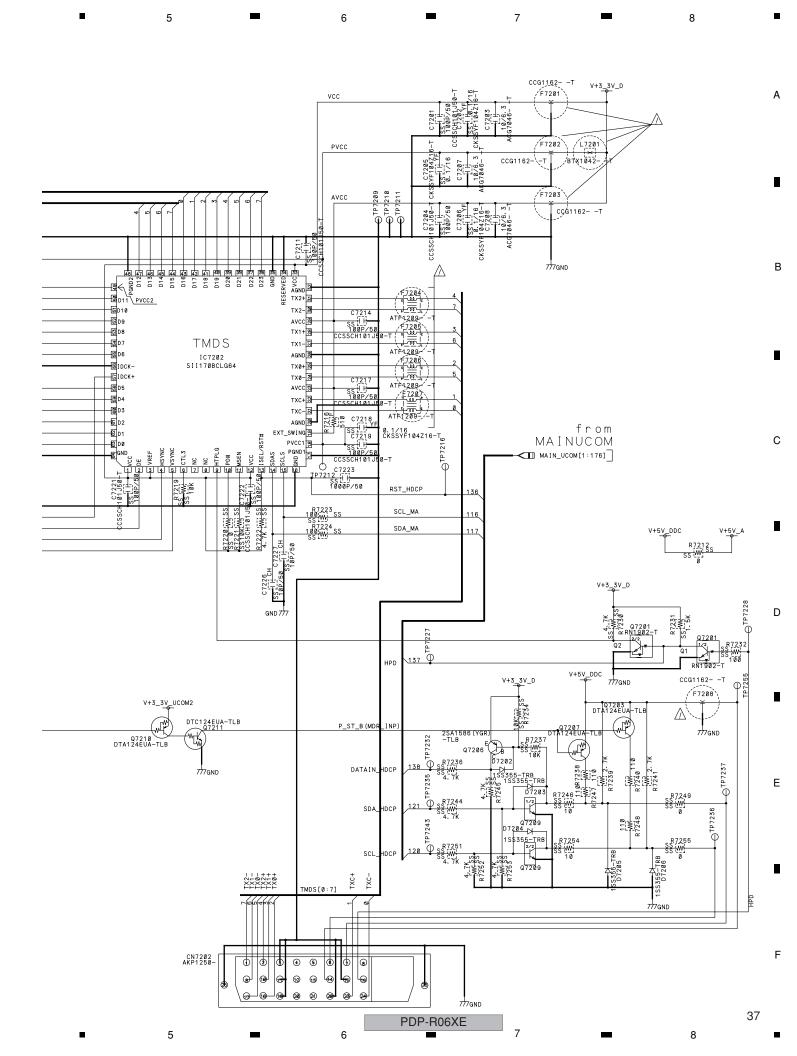






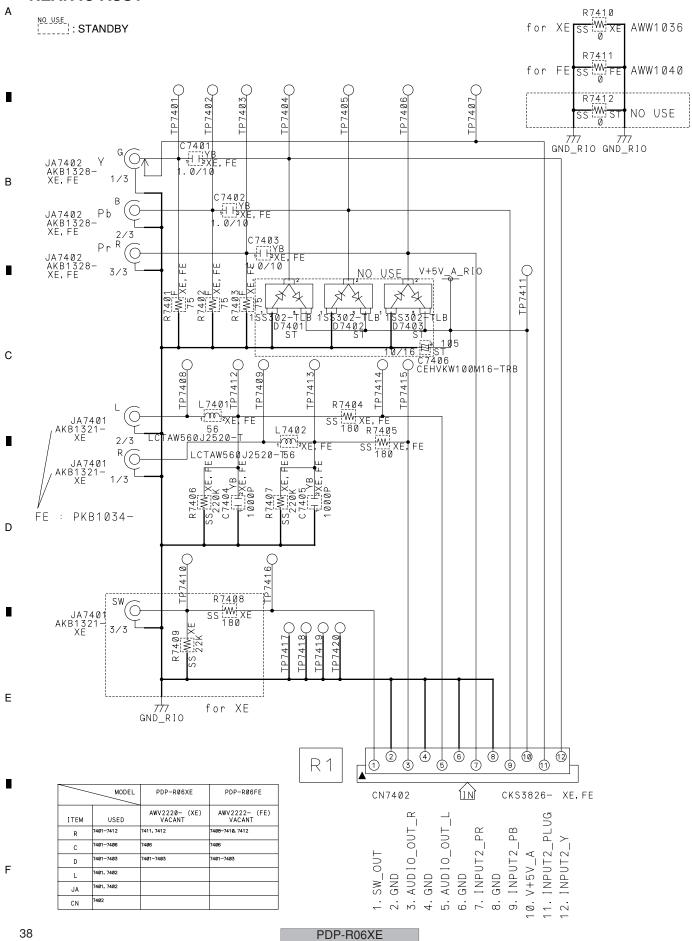




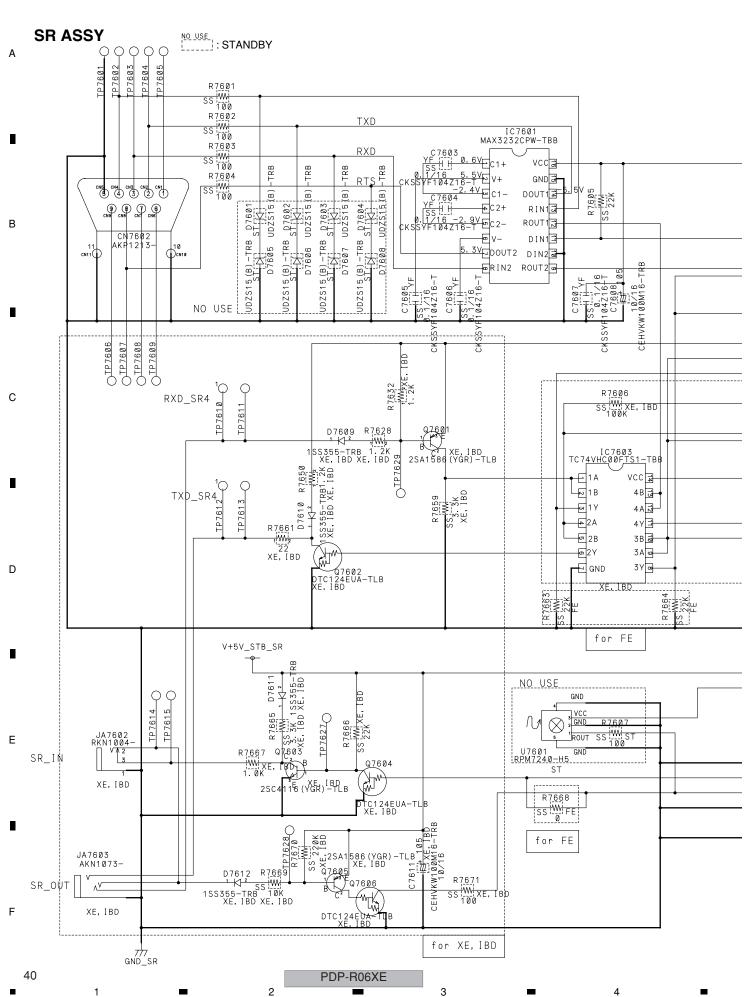


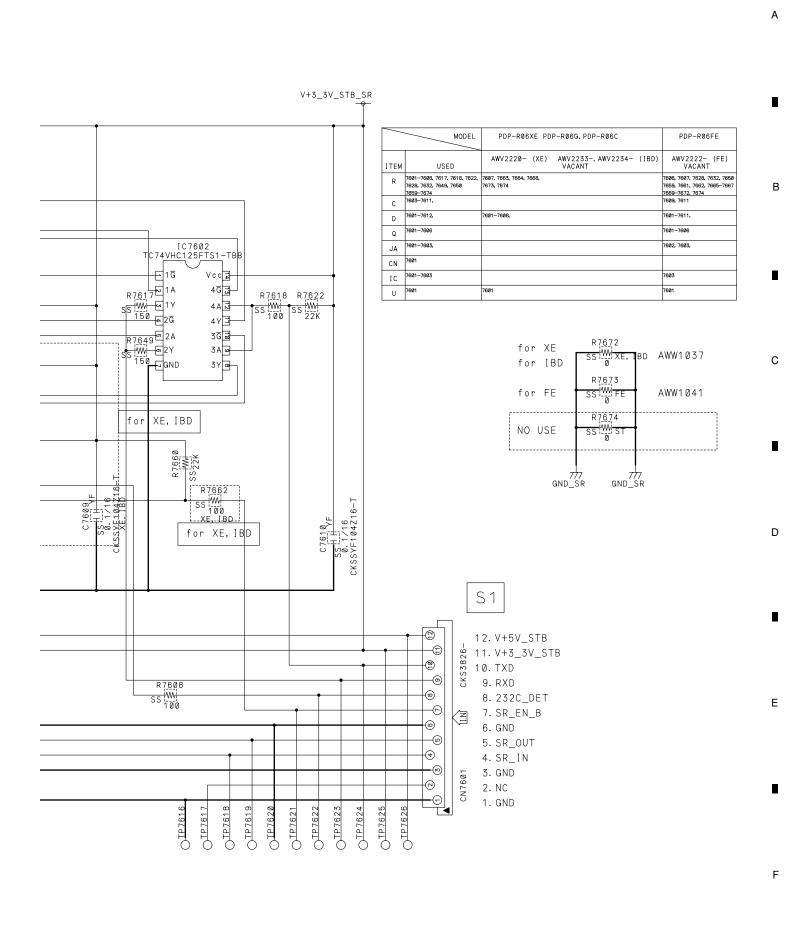
3.17 REAR IO ASSY

REAR IO ASSY

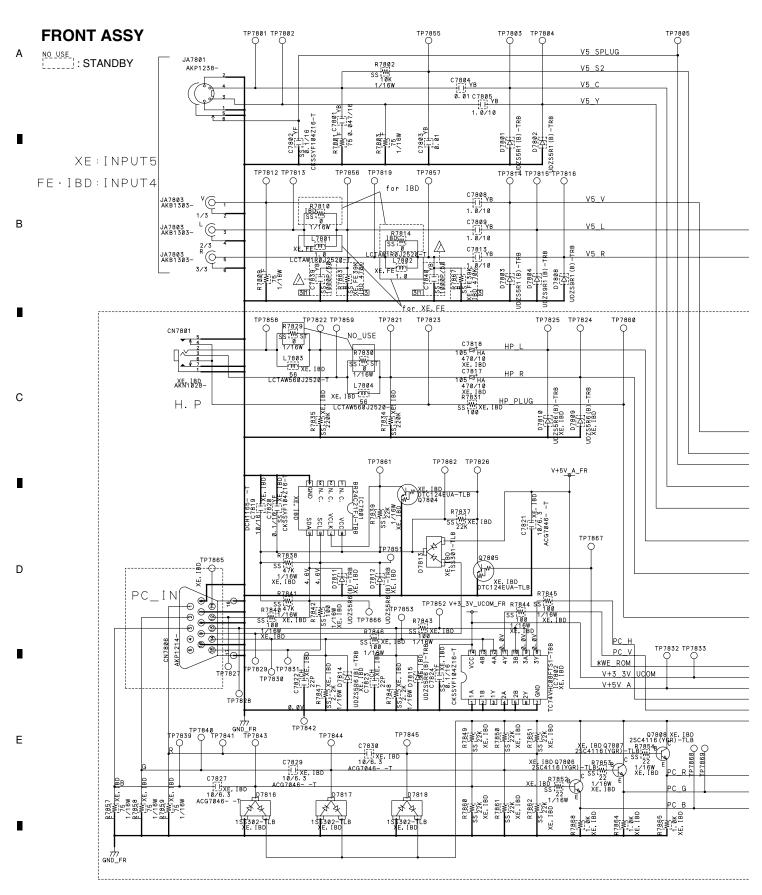


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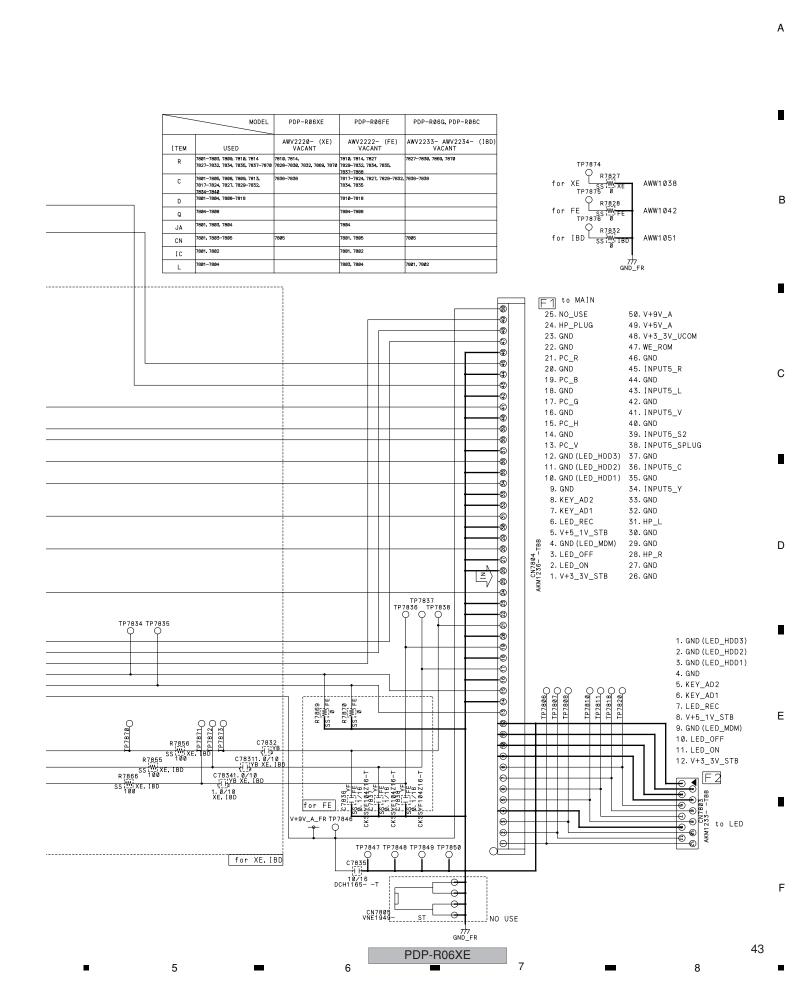




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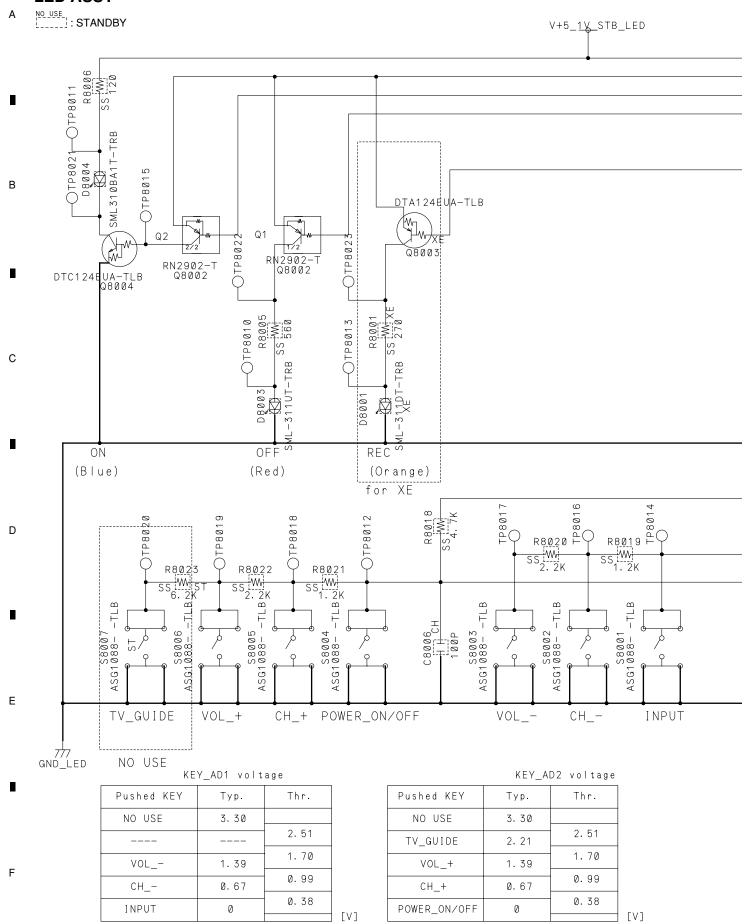


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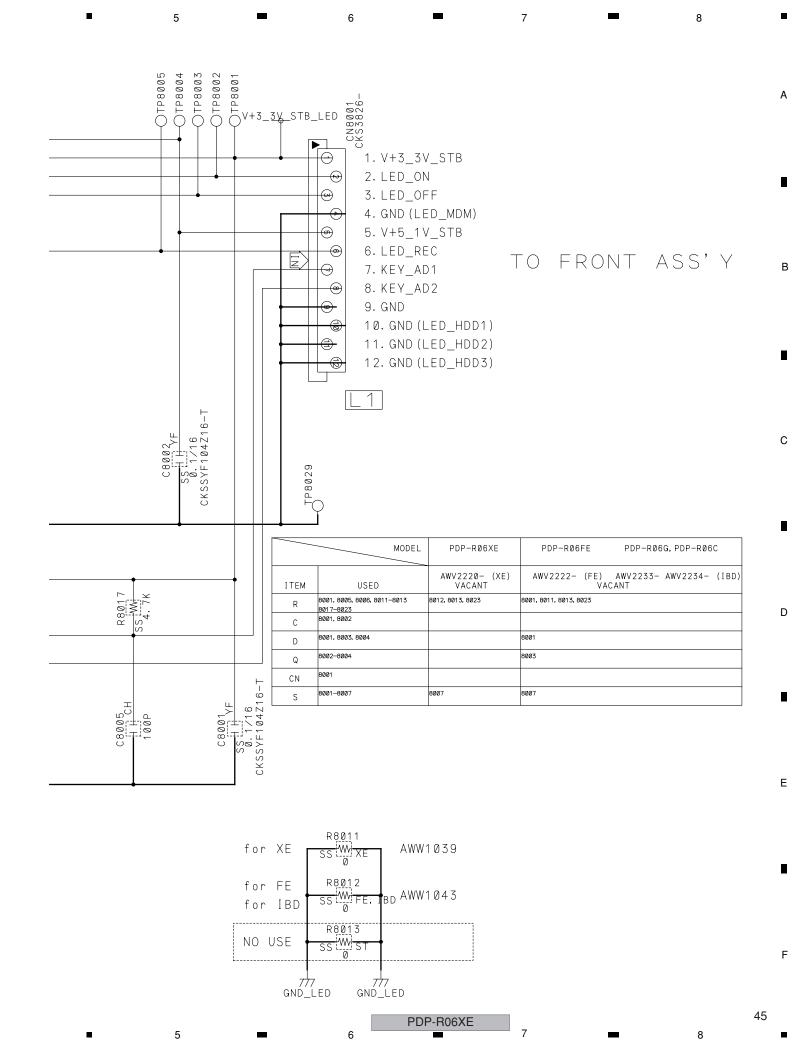


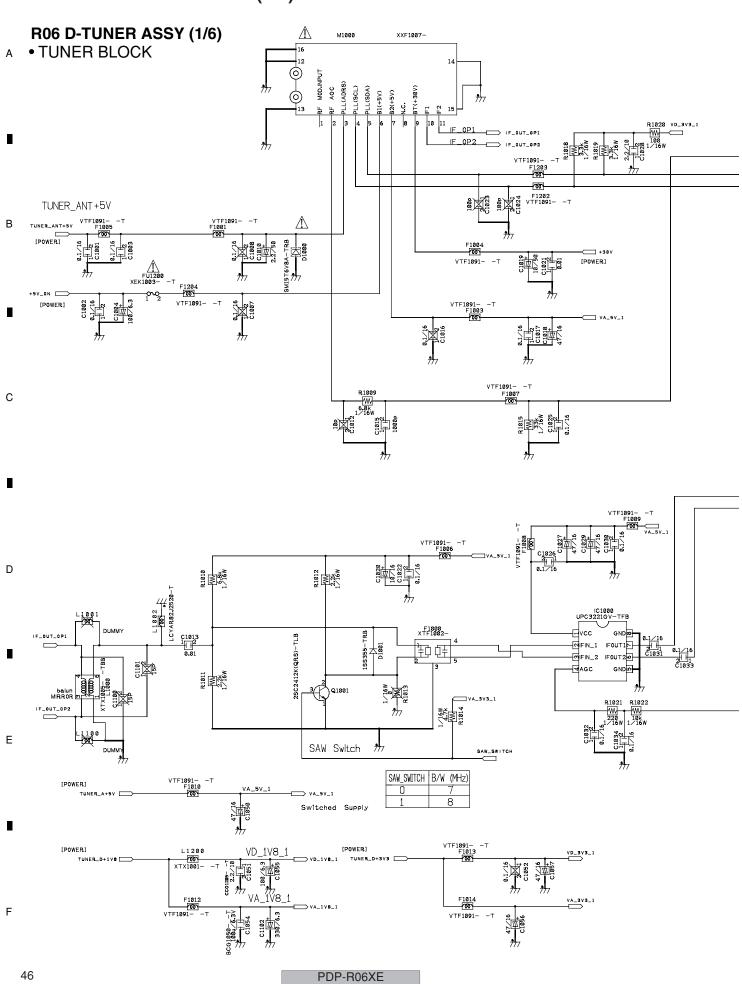
3.20 LED ASSY

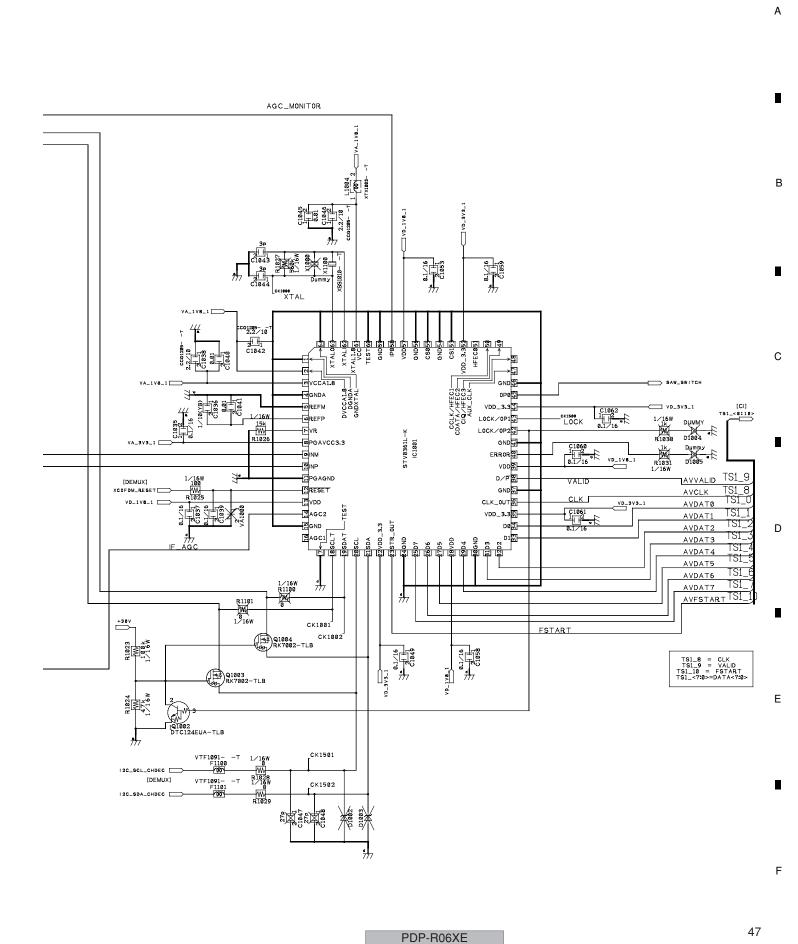
LED ASSY

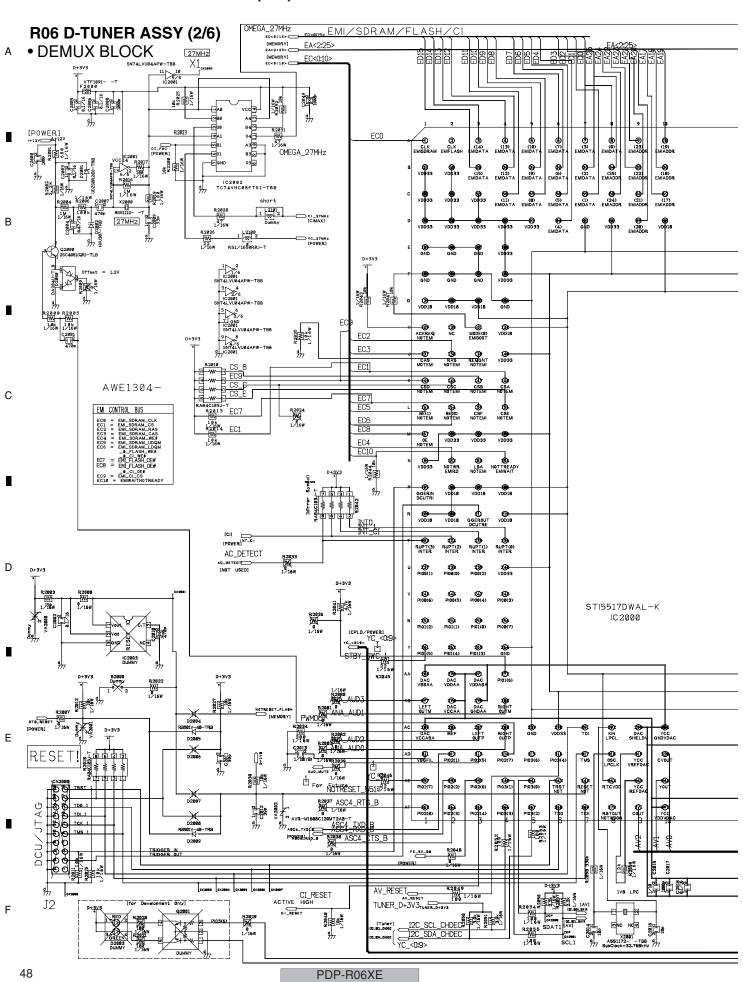


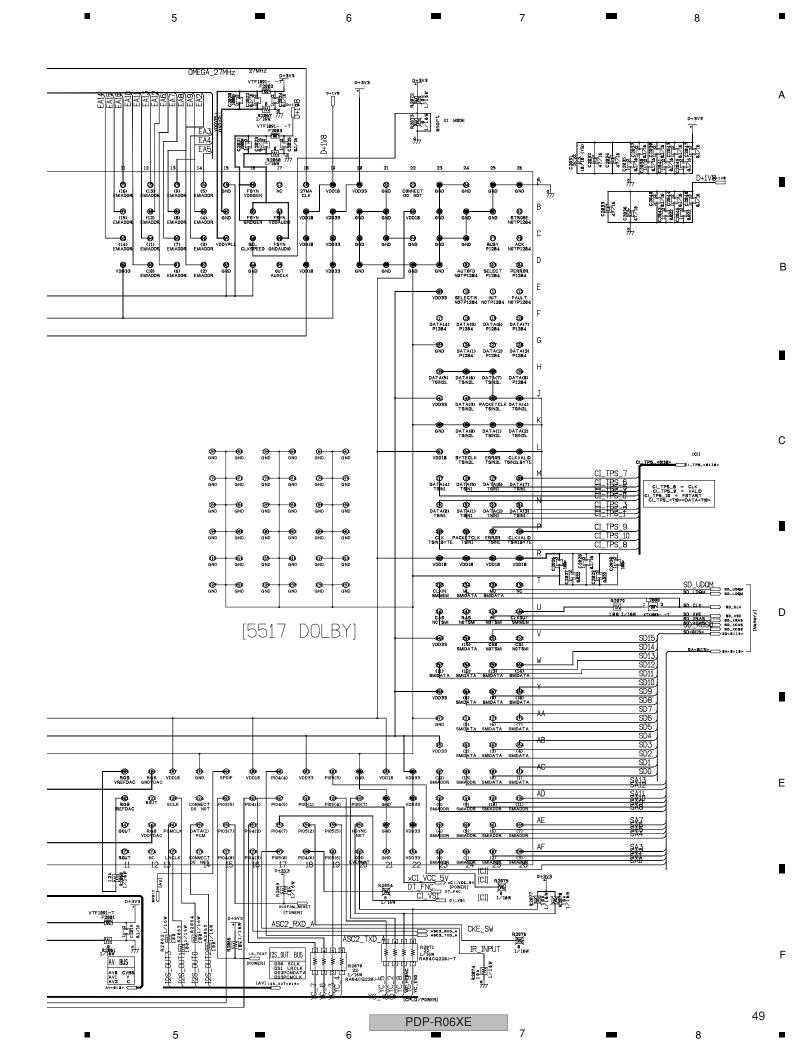
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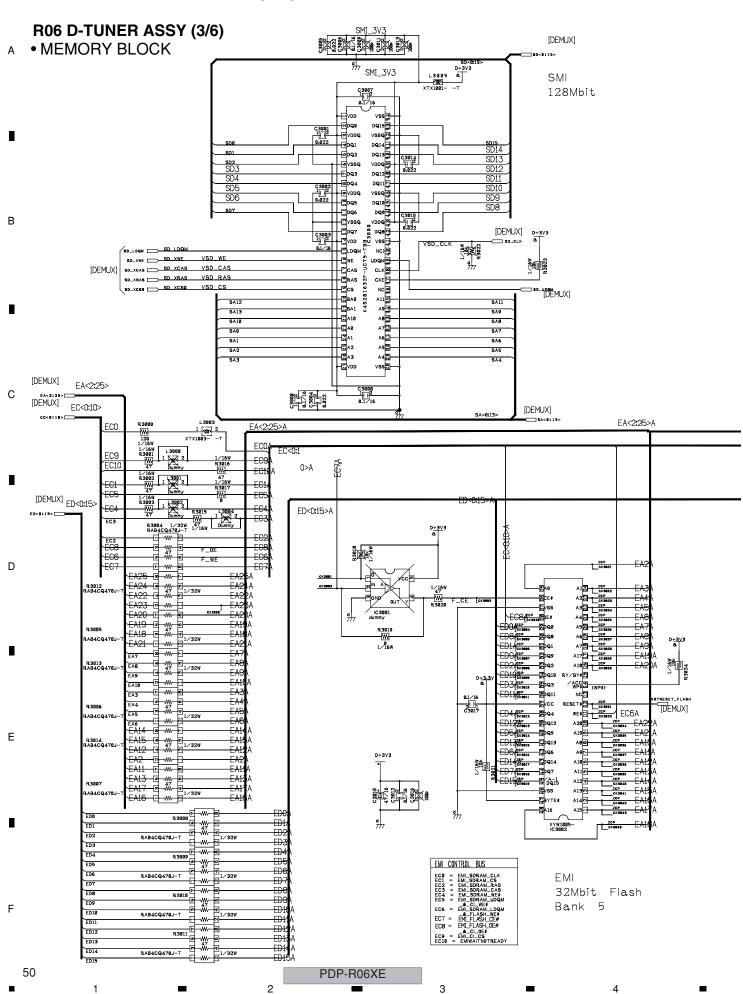


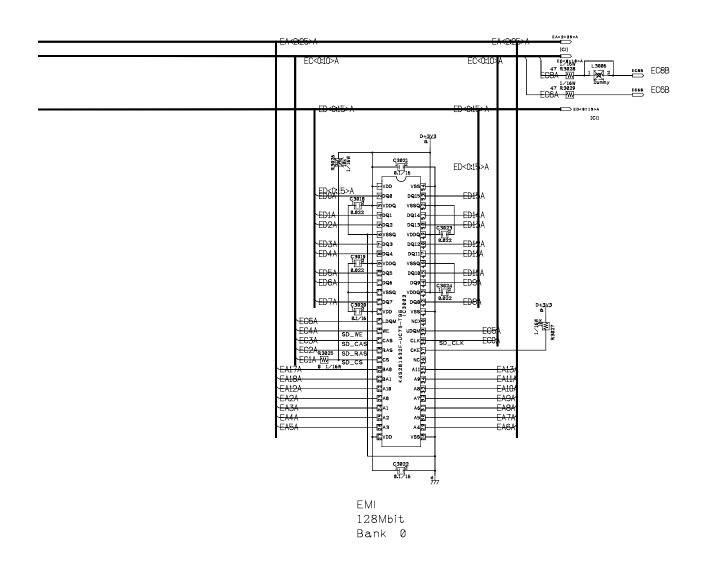










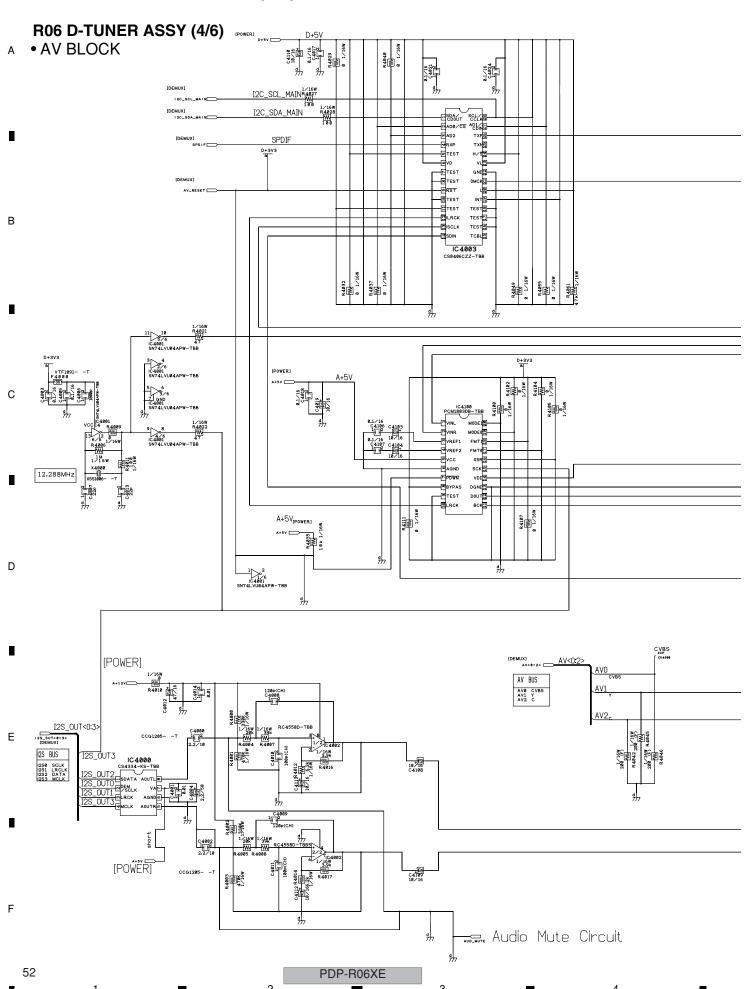


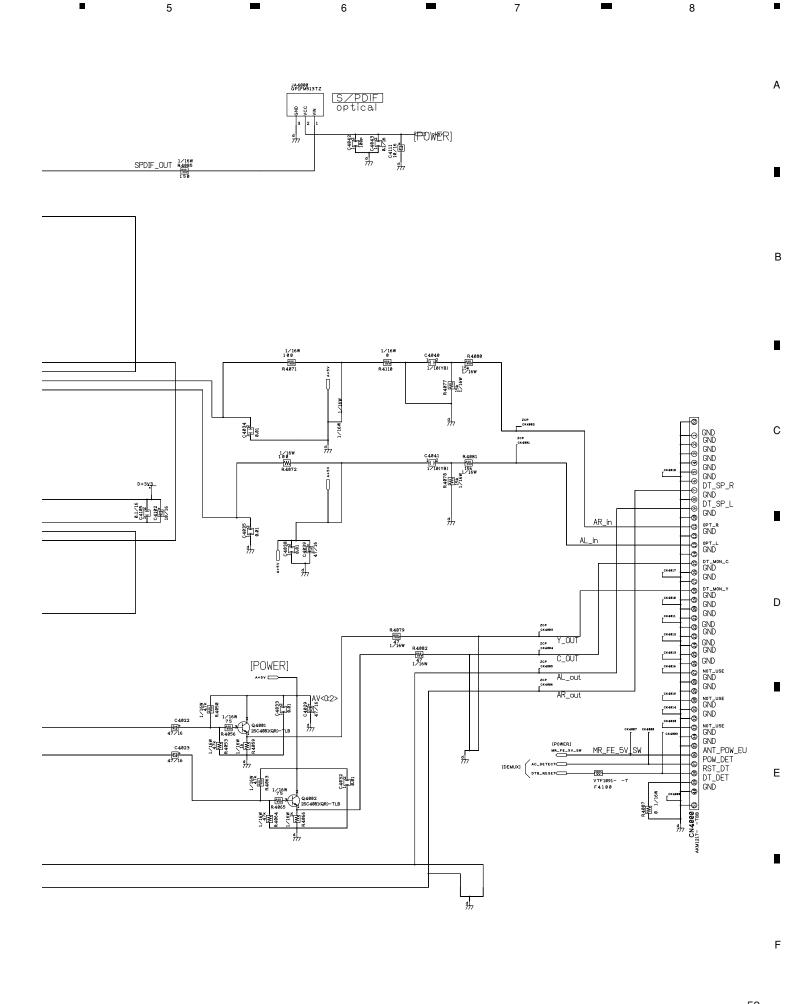
PDP-R06XE

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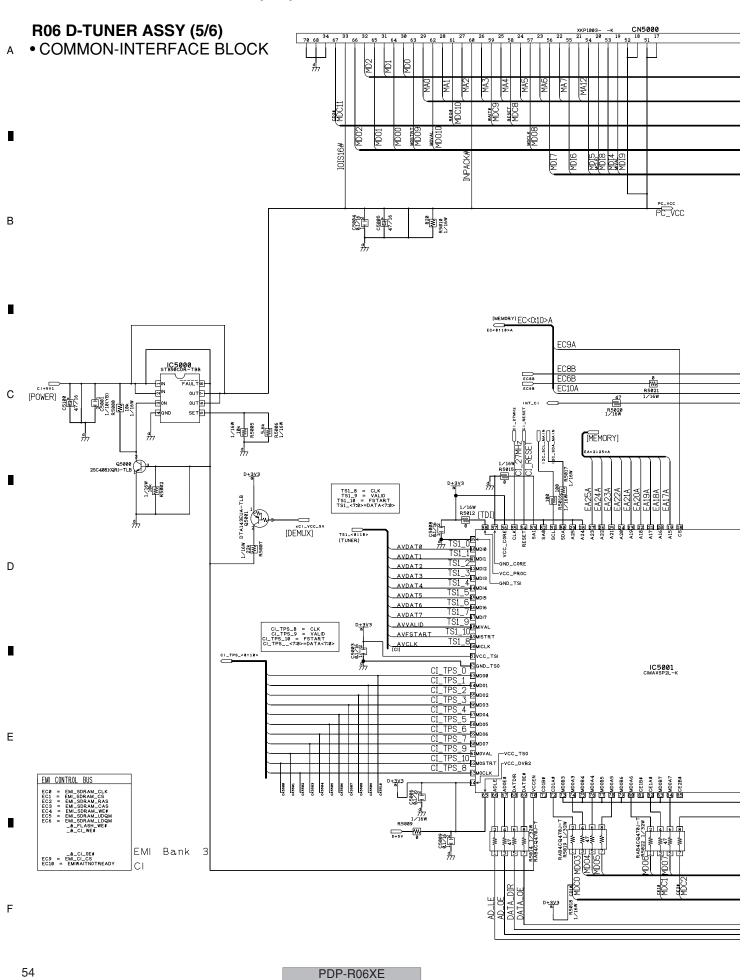
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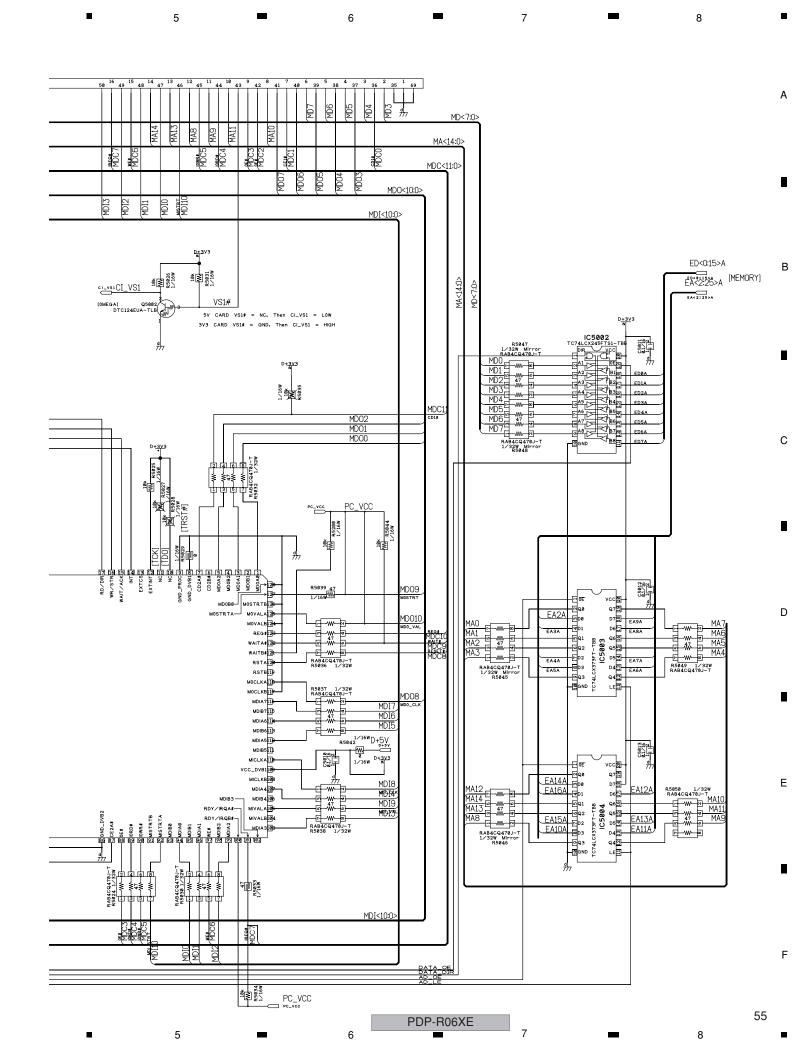
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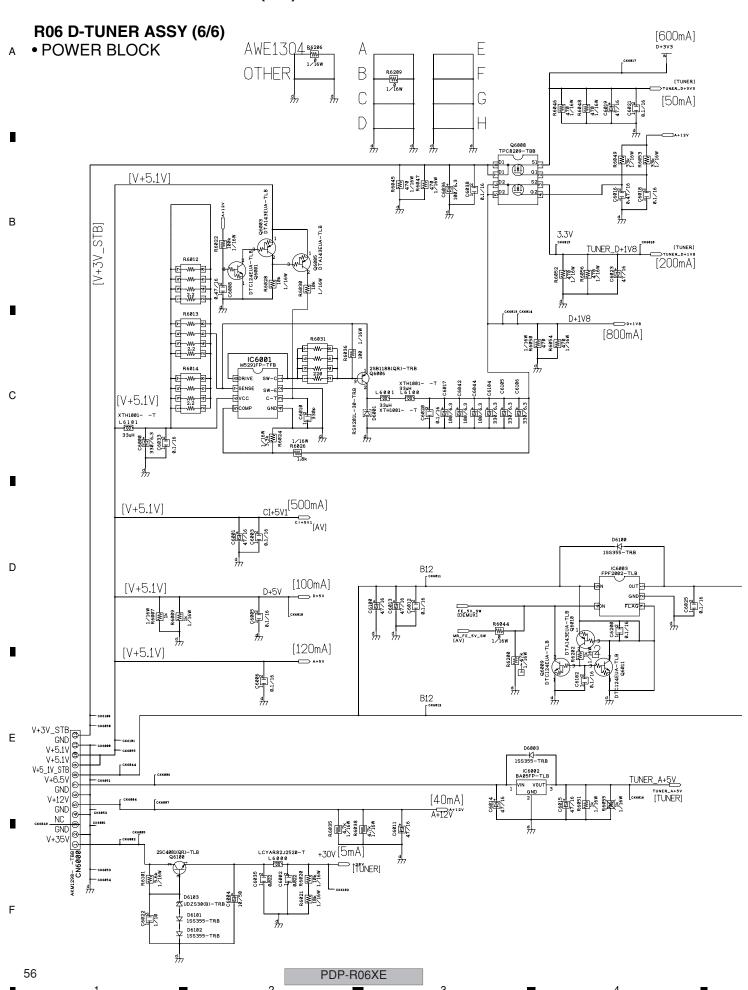


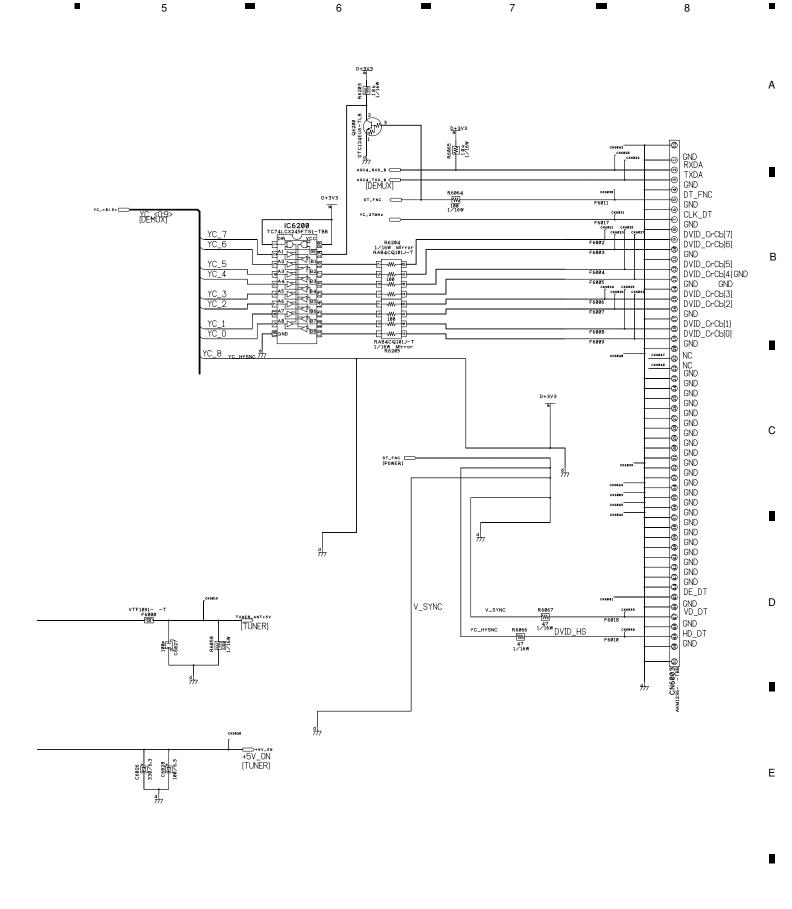
PDP-R06XE 7





3.26 R06 D-TUNER ASSY (6/6)





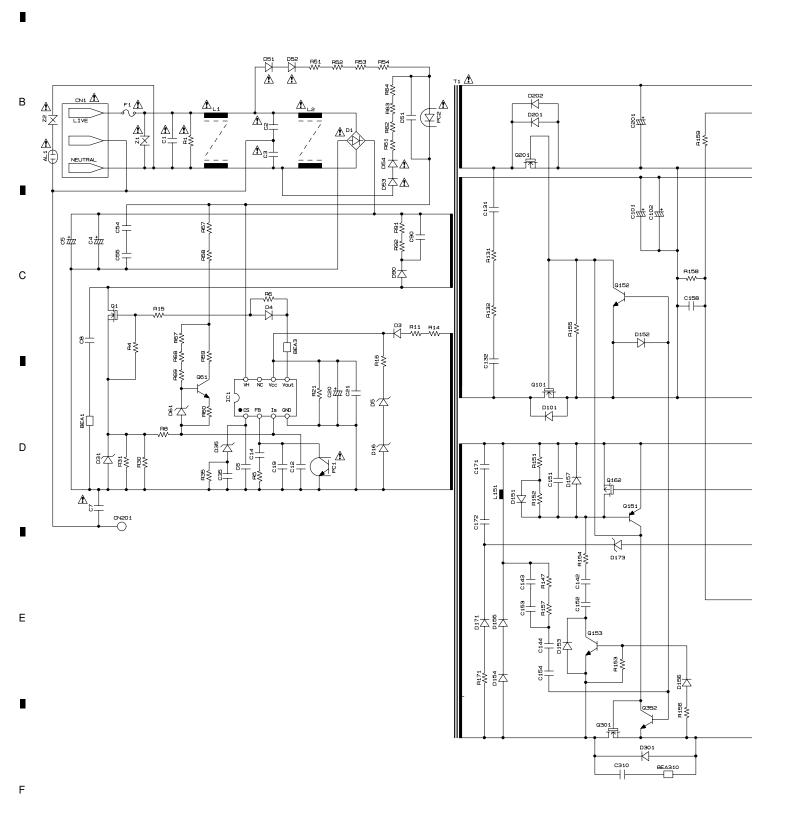
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PDP-R06XE

3.27 POWER SUPPLY UNIT

POWER SUPPLY UNIT

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PDP-R06XE

CN101 4 STBY3. 3V ## | | | CN102 В -(12) STBY3. 3V IC181 R185 Б этвубу -(В) ЅТВУБУ 9 5v 8 5v 249 ¥391 a T R181 **№** £ 52 102 ≯ 0102 9 5v 10 5v H182 | | R257 ₩ P256 ▼ 885 | |-H203 H203 H202 H202 С F110 AC DET -(3) GND -(5) GND -(9) GND L 88 -(11) GND 1394 | | | -(13) GND -15 GND 3 NC -(5) 12V 12) 12V D R393 R391 84 164 | ≥ 24% # 1004 | | ₩ 1504 H701 -2 RELAY 24 ¥ (14) NC M173 -(1) 35V 55 16 35V 8 ± 8 ± 2 € \$ Е −⑦ 6. 5V Q161 10 6.5V **於** i → i | MS53 ß #zz 444 2 GND 4 GND 6 GND 4705 W C701 -(11) GND

PDP-R06XE

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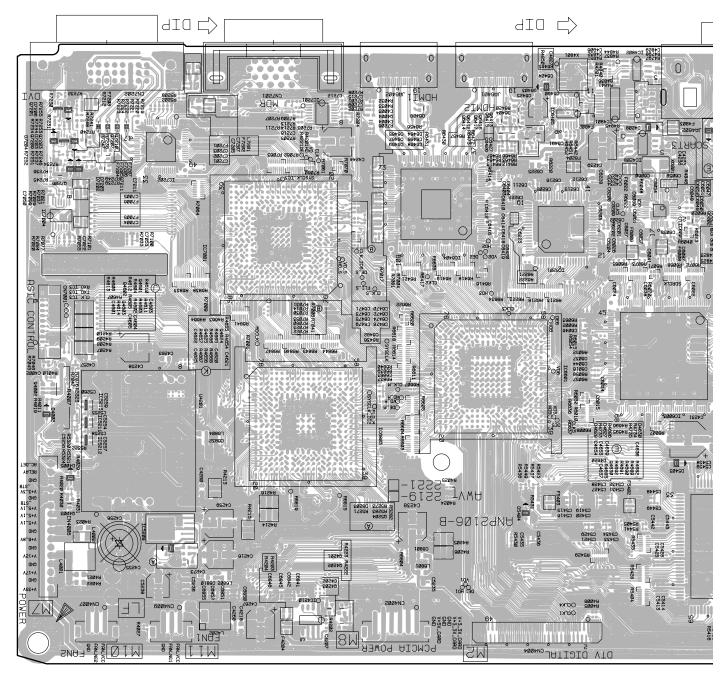
F

4. PCB CONNECTION DIAGRAM 4.1 MR MAIN ASSY

SIDE A

В

MR MAIN ASSY



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PDP-R06XE

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SIDE A

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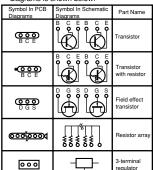
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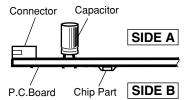
NOTE FOR PCB DIAGRAMS:

- 1. Part numbers in PCB diagrams match those in the schematic diagrams.

 2. A comparison between the main parts of PCB and schematic
- diagrams is shown below.



- 3. The parts mounted on this PCB include all necessary parts for several destinations.
 For further information for respective destinations, be sure to
- check with the schematic diagram.
 4. View point of PCB diagrams.



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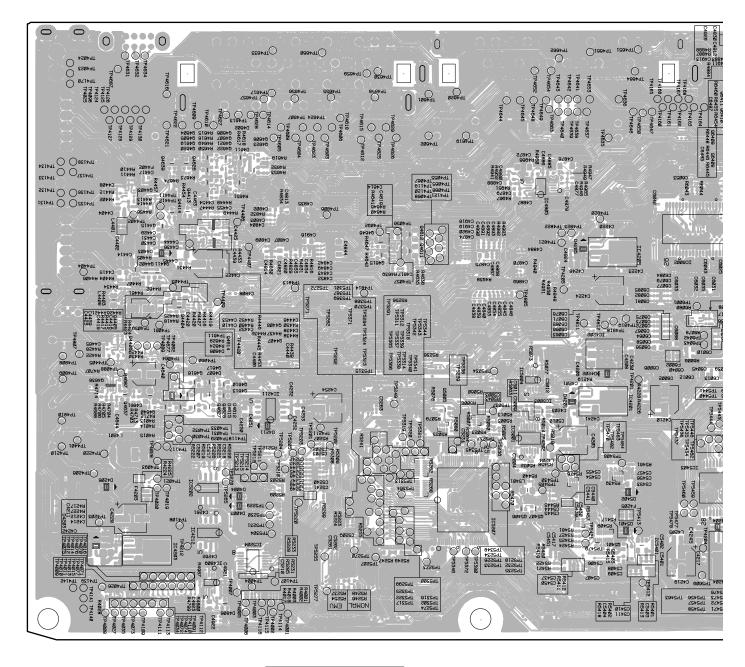
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PDP-R06XE

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SIDE B

MR MAIN ASSY



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PDP-R06XE

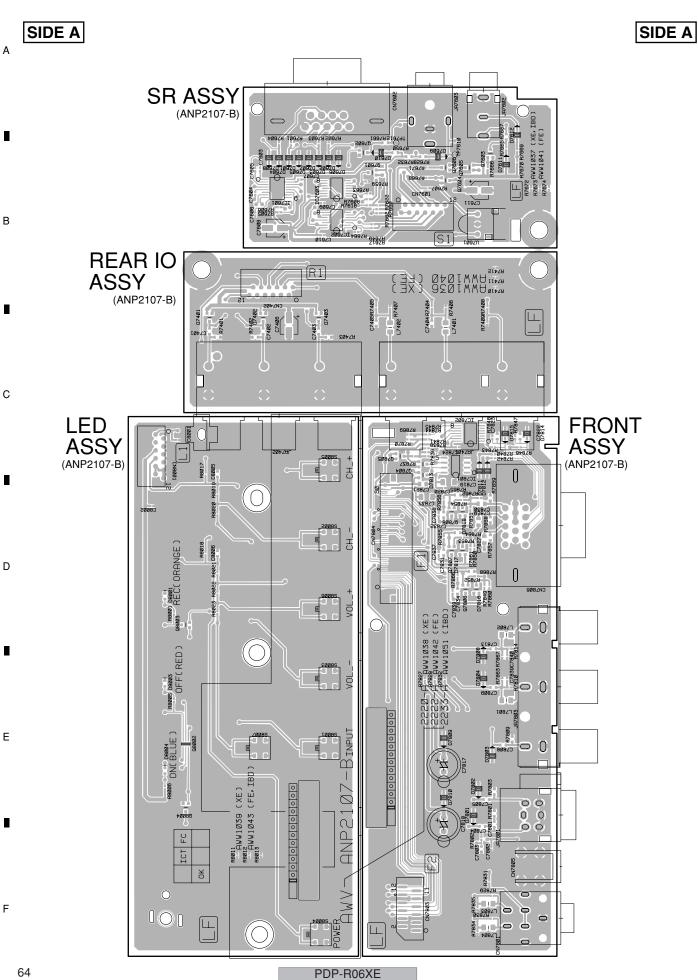
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(ANP2106-B)

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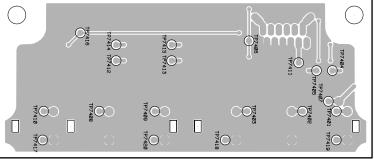


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SR ASSY (ANP2107-B)

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REAR IO ASSY (ANP2107-B)

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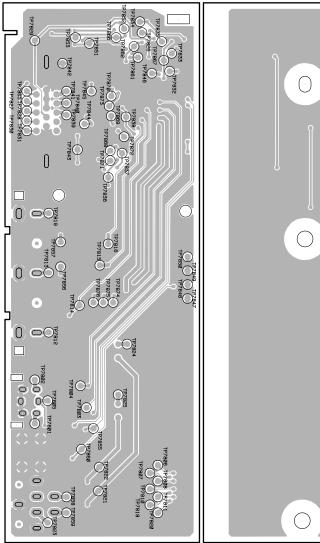
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P8012 TP8018 TP8019 TP8020

FRONT ASSY (ANP2107-B)

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LED ASSY (ANP2107-B)

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PDP-R06XE

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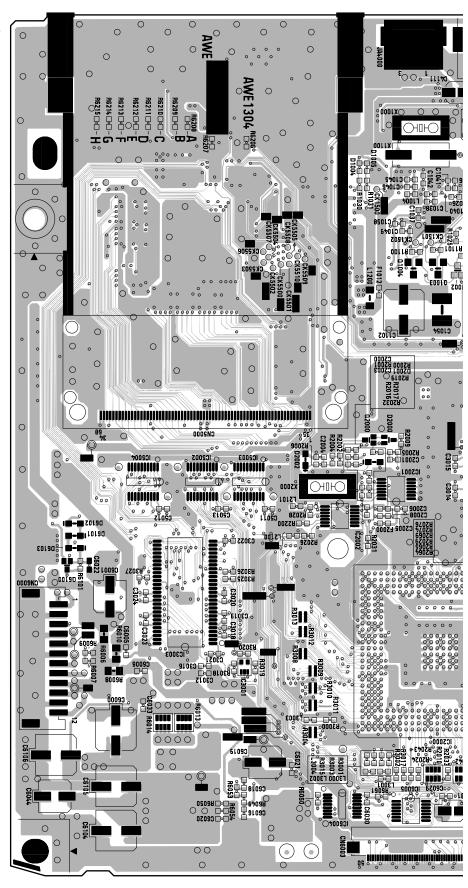
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4.3 R06 D-TUNER ASSY

SIDE A

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R06 D-TUNER ASSY



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PDP-R06XE

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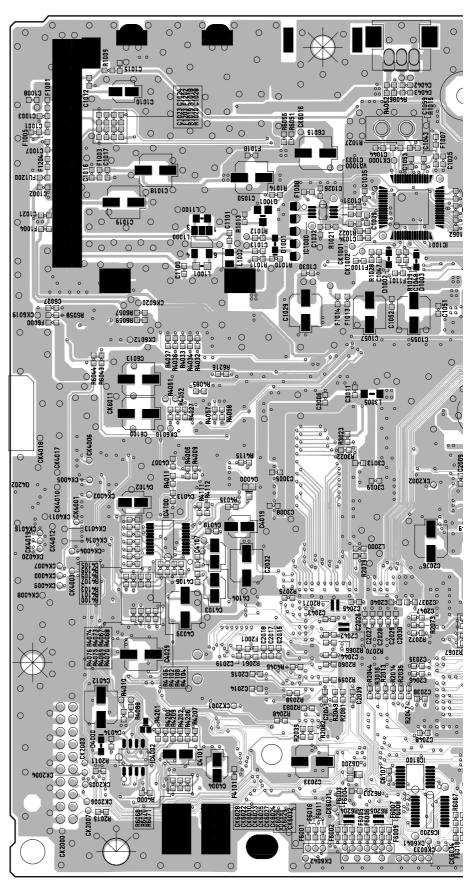
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R06 D-TUNER ASSY



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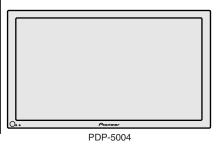
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Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3221

PLASMA DISPLAY

PDP-5004 PDP-4304 PDP-5014 PDP-4314

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-5004	KUC	AC120V	
PDP-5014	KUC	AC120V	
PDP-4304	KUC	AC120V	
PDP-4314	KUC	AC120V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-5004, PDP-5014 PDP-4304, PDP-4314	ARP3222	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM



For details, refer to "Important Check Points for Good Servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2004

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible — (fusible de type rapide) et/ou — (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis.

The following precautions should be observed:

- 1. When service is required, even though the PDP UNIT an isolation transformer should be inserted between the power line and the set in safety before any service is performed.
- When replacing a chassis in the set, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistorcapacitor, etc.
- 3. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
- 4. Always use the manufacture's replacement components.

 Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's.

 Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
- 5. Before returning a serviced set to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacture has become defective, or inadvertently defeated during servicing. Therefore, the following checks should be performed for the continued protection of the customer and servicetechnician.

- 6. Perform the following precautions against unwanted radiation and rise in internal temperature.
- Always return the internal wiring to the original styling.
- Attach parts (Gascket, Ferrite Core, Ground, Rear Cover, Shield Case etc.) surely after disassembly.
- 7. Perform the following precautions for the PDP panel.
- When the front case is removed, make sure nothing hits the panel face, panel corner, and panel edge (so that the glass does not break).
- Make sure that the panel vent does not break. (Check that the cover is attached.)
- Handle the FPC connected to the panel carefully.

 Twisting or pulling the FPC when connecting it to the connector will cause it to peel off from the panel.
- 8. Pay attention to the following.
- When the front case is removed, infrared ray is radiated and may disturb reception of the remote control unit.
- Pay extreme caution when the front case and rear panel are removed because this may cause a high risk of disturbance to TVs and radios in the surrounding.

PDP-5004

2

Leakage Current Cold Check

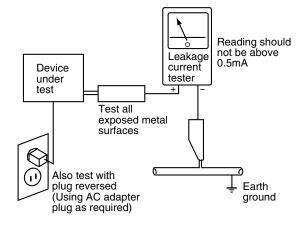
With the AC plug removed from an AC power source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC 500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (input/output terminals, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of $0.3M\Omega$ and a maximum resistor reading of $5M\Omega$. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into an AC power source (do not use an isolation transformer for this check).

Turn the AC power switch on.

Using a "Leakage Current Tester (Simpson Model 229 equivalent)", measure for current from all exposed metal parts of the cabinet (input/output terminals, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE SET TO THE CUSTOMER.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in PIONEER set have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

3

Ε

■ Charged Section

The places where the commercial AC power is used without passing through the power supply transformer.

If the places are touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. Therefore, be sure to connect the set via an insulated transformer and supply the current.

- 1. AC Power Cord
- 2. AC Inlet with Filter
- 3. Power Switch (S1)
- 4. Fuse (In the POWER SUPPLY Unit)
- 5. STB Transformer and Converter Transformer (In the POWER SUPPLY Unit)
- 6. Other primary side of the POWER SUPPLY Unit

■High Voltage Generating Point

The places where voltage is 100V or more except for the charged places described above. If the places are touched, there is a risk of electric shock.

1. POWER SUPPLY Unit	(223V)
2. 50 X DRIVE Assy	
3. 50 Y DRIVE Assy	(353V)
4. 50 SCAN A Assy	(353V)
5. 50 SCAN B Assy	(353V)
6. X CONNECTOR A Assy	(-230V to 223V)
7. X CONNECTOR B Assy	(-230V to 223V)

: Part is Charged Section.

: Part is the High Voltage Generating Points other than the Charged Section.

• For 50 inch model (PDP-5004, PDP-5014)

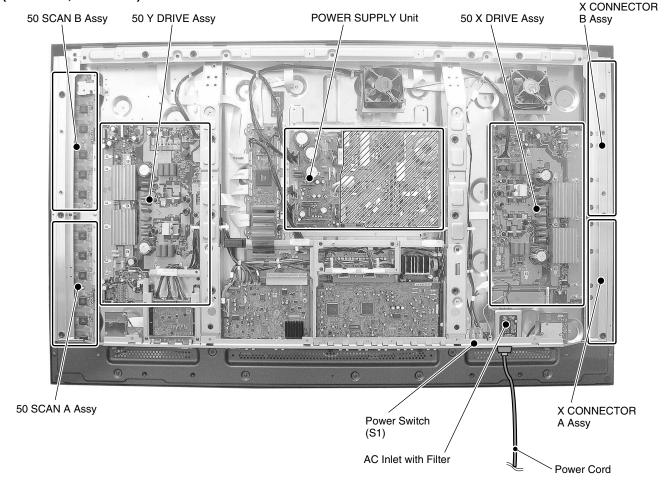


Fig.1 Charged Section and High Voltage Generating Point (Rear View)

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PDP-5004

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■ Charged Section

The places where the commercial AC power is used without passing through the power supply transformer.

If the places are touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. Therefore, be sure to connect the set via an insulated transformer and supply the current.

- 1. AC Power Cord
- 2. AC Inlet with Filter
- 3. Power Switch (S1)
- 4. Fuse (In the POWER SUPPLY Unit)
- 5. STB Transformer and Converter Transformer (In the POWER SUPPLY Unit)
- 6. Other primary side of the POWER SUPPLY Unit

■High Voltage Generating Point

The places where voltage is 100V or more except for the charged places described above. If the places are touched, there is a risk of electric shock.

1. POWER SUPPLY Unit	(215V)
2. 43 X DRIVE Assy	
3. 43 Y DRIVE Assy	(345V)
4. 43 SCAN A Assy	(345V)
5. 43 SCAN B Assy	(345V)
6. X CONNECTOR AAssy	(-225V to 215V)
7. X CONNECTOR B Assy	(-225V to 215V)

: Part is Charged Section.

 Part is the High Voltage Generating Points other than the Charged Section. В

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• For 43 inch model (PDP-4304, PDP-4314)

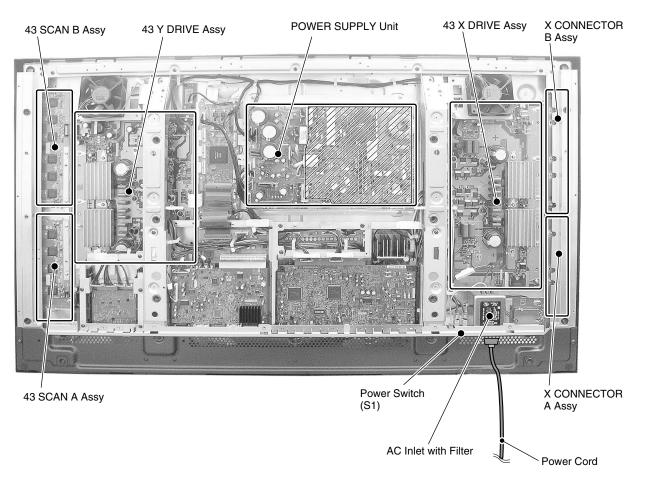


Fig.2 Charged Section and High Voltage Generating Point (Rear View)

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

Product safety



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Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

(8) There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

PDP-5004

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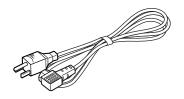
1. SPECIFICATIONS

■ PLASMA DISPLAY

	Light emission panel 50-inch AC Plasma Panel	INPUT2	HDMI
	109.8 (W) x 62.1 (H) x 126.1 (diagonal) cm	(Input)	• Digital signal 3.3V T.M.D.S. /50Ω
	Number of pixels		
	Power supply AC 120 V, 60 Hz	INIDI ITO	
	Rated current	INPUT3 (Input)	S jack (Mini DIN 4 pin)
	Standby power consumption 0.6 W	(Input)	Y/C separate video signal
	External dimensions		Y 1 Vp-p/75 Ω /negative sync.
	1218 (W) x 714 (H) x 98 (D: Not including handles) mm		C 0.286 Vp-p/75Ω
	47-31/32 (W) x 28-1/8 (H) x 3-7/8 (D: Not including handles) in.		(Color Burst Level)
	,	INPUT4	DCA in als
	Weight	(Input)	RCA jack • Composite video signal
	Operating temperature range 0 to 40 °C (32 to 104 F)		1 Vp-p/75 Ω /negative sync.
	General (PDP-4304/ PDP-4314)	Output	RCA jack
	Light emission panel		75Ω /with buffer
	95.2 (W) x 53.6 (H) x 109.3 (diagonal) cm	INPUT5	
	Number of pixels	(Input)	RCA jack
	Power supply AC 120 V, 60 Hz		Component video signal Component video signal
	Rated current		Y1 Vp-p /75 Ω negative sync. Cb/Pb, Cr/Pr
	Standby power consumption 0.6 W		0.7 Vp-p (color 100%) / 75Ω
	External dimensions		RGB signal
	1070 (W) x 630 (H) x 98 (D: Not including handles) mm		G ON SYNC
	42-1/8 (W) x 24-13/16 (H) x 3-7/8 (D: Not including handles) in.		1 Vp-p/75 Ω /negative sync.
	Weight	Audio	R/B 0.7 Vp-p/75 Ω /no sync.
	Operating temperature range 0 to 40 °C (32 to 104°F)	(Input)	AUDIO INPUT (for INPUT1)
	oporating temperature range o to 10 '0 (02 to 10 11)	(,	Pin jack (x2)
	Input/output		L/R 500 mVrms/more than 10 kg
	Video		AUDIO INPUT (for INPUT2)
	INPUT1		Pin jack (x2)
	(Input) Mini D-sub 15 pin (socket connector)		L/R 500 mVrms/more than 10 kg
	RGB signal (G ON SYNC compatible)		AUDIO INPUT (for INPUT3)
	RGB 0.7 Vp-p/75 Ω /no sync.		Pin jack (x2)
	HD/CS, VD TTL level		L/R 500mVrms/more than 10 kΩ
	/positive and negative polarity /2.2 k Ω		AUDIO INPUT (for INPUT4)
	G ON SYNC		Pin jack (x2)
	1 Vp-p/75 Ω /negative sync.		L/R 500mVrms/more than 10 kΩ
	*Compatible with Microsoft Plug & Play		AUDIO INPUT (for INPUT5)
	(VESA DDC1/2B)		Pin jack (x2)
	 Component video signal Y 1 Vp-p/75Ω negative sync. 		L/R 500mVrms/more than 10 kΩ
	Св/Рв, Ск/Рв 0.7 Vp-p (color100%)/75Ω	Output	SPEAKER
			L/R 8 – $16\Omega/7$ W +7 W (at 8Ω)
		Control	
		RS-2320	C D-sub 9 pin (pin connector)

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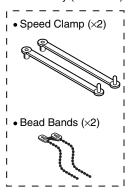
PDP-5004



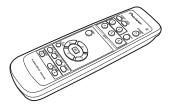
• Cleaning Cloth (for wiping front panel) (AED1208)



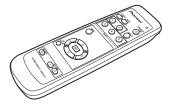
• Binder Assy (AEC1758)



• Remote Control Unit for PDP-5004, PDP-4304 (AXD1496)



• Remote Control Unit for PDP-5014, PDP-4314 (AXD1497)



• Dry Cell Battery (R6P, AA)



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2. EXPLODED VIEWS AND PARTS LIST

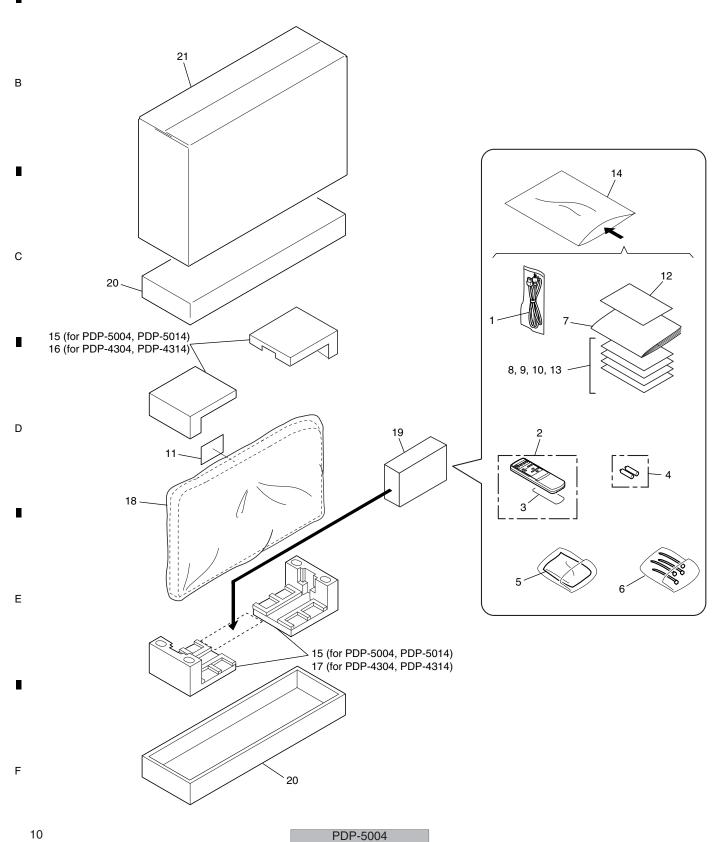
NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- Screws adjacent to **▼** mark on product are used for disassembly.

Α

• For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING for PDP-5004, PDP-5014, PDP-4304 and PDP-4314 models 2.1.1 PACKING



PACKING Parts List

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
<u> </u>	Power Cord	ADG1215				
2	Remote Control Unit	See Contrast table (2)	14	Vinyl Bag	AHG1310	Α
3	Battery Cover	AZN2462	15	Pad	See Contrast table (2)	
NSP 4	Dry Cell Battery (R6P, AA)	AEX1026	16	Pad (43U)	See Contrast table (2)	
5	Wiping Cloth (for screen)	AED1208	17	Pad (43L)	See Contrast table (2)	
6	Binder Assy	AEC1758	18	Mirror Mat	AHG1284	
	(Speed Clamp x2, Bead Band	(2)	19	Accessory Case	AHC1036	
7	Operating Instructions	ARE1386	20	Under Carton	See Contrast table (2)	
	(English / French / Spanish)		21	Upper Carton	See Contrast table (2)	
8	Plasma Caution Sheet	ARM1145				
9	Caution Sheet	ARM1176				В
10	Caution Sheet	ARM1194				
11	Caution Sheet	ARM1201				
NSP 12	Warranty Card	ARY1138				
NSP 13	Card	VRY1132				

(2) CONTRAST TABLE PDP-5004/KUC, PDP-4304/KUC and PDP-4314/KUC are constructed the same except for the following the same except for the same except for the following the same except for the s lowing:

Mark	No.	Symbol and Description	PDP-5004/ KUC	PDP-5014/ KUC	PDP-4304/ KUC	PDP-4314/ KUC
	2	Remote Control Unit	AXD1496	AXD1497	AXD1496	AXD1497
	15	Pad	AHA2280	AHA2280	Not used	Not used
	16	Pad (43U)	Not used	Not used	AHA2282	AHA2282
	17	Pad (43L)	Not used	Not used	AHA2283	AHA2283
	20	Under Carton	AHD3037	AHD3037	AHD3100	AHD3100
	21	Upper Carton	AHD3286	AHD3288	AHD3287	AHD3289

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2.2 PDP-5004, PDP-5014 models 2.2.1 CHASSIS SECTION (1)

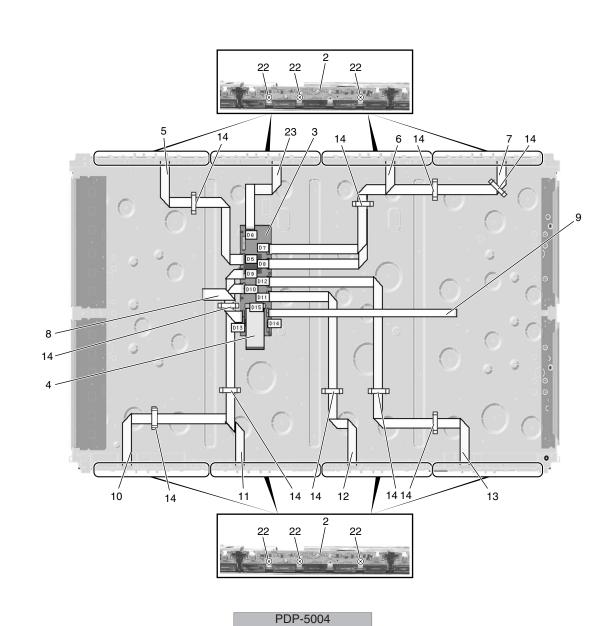
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CHASSIS SECTION (1) parts List

	` ' '	
Mark No.	<u>Description</u>	Part No.
NSP 1	P. Chassis (50) Assy	AWU1099
NSP 2	50 ADDRESS Assy	AWZ6839
3	DIGITAL VIDEO Assy	AWV2100
4	FPC (114P)	ADY1081
5	Flexible Cable (J201)	ADD1248
6	Flexible Cable (J203)	ADD1250
7	Flexible Cable (J204)	ADD1251
8	Flexible Cable (J209)	ADD1236
9	Flexible Cable (J210)	ADD1237
10	Flexible Cable (J205)	ADD1252
11	Flexible Cable (J206)	ADD1253
12	Flexible Cable (J207)	ADD1254
13	Flexible Cable (J208)	ADD1255
14	Flat Clamp	AEC1879

Mark No.	<u>Description</u>	Part No.	
15	PCB Spacer	AEC1941	
			Α
16	PCB Support	AEC1938	
17	Wire Saddle	AEC1745	
18	PCB Spacer	AEC1947	
19	Locking Wire Saddle	AEC1948	
20	Drive Silicone Sheet C	AEH1066	
21	Drive Silicone Sheet B	AEH1065	
22	Screw	VBB30P080FNI	
23	Flexible Cable (J202)	ADD1249	
24	Locking Wire Saddle	AEC1992	
25	SCAN Silicone Sheet	AEH1080	В

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3 2.2.2 CHASSIS SECTION (2) 10 100V 25 22 27 26 28 16 21 21 / 12 ₽ 21 ₽ 21 11 21 21 Upper side Upper side

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CHASSIS SECTION (2) parts List							
Mark No.	Description	Pa	art No.				

	` ' '	
Mark No.	<u>Description</u>	Part No.
1	50 X DRIVE Assy	AWZ6959
2	50 Y DRIVE Assy	AWV2144
<u>^</u> 3	POWER SUPPLY Unit	AXY1083
NSP 4	X CONNECTOR B Assy	AWZ6812
NSP 5	X CONNECTOR A Assy	AWZ6811
NSP 6	50 SCAN A Assy	AWZ6809
NSP 7	50 SCAN B Assy	AWZ6810
8	PANEL SENSOR Assy	AWZ6795
9	Fan Motor (80 x 25)	AXM1044
10	Fan Angle (504)	ANG2609
11	Front Chassis VL (50M)	ANA1753
12	Front Chassis VR (50M)	ANA1754
13	SCAN Heatsink	ANH1630
14	Housing Wire (J117)	ADX2897
15	Screw	ABZ30P060FMC
16	Screw	PMB30P060FNI
17	Screw	VBB30P080FNI
18	Screw	PMB40P080FZK
19	Screw	PPZ50P100FZK
20	Nylon Rivet	AEC1671
04	Corour	AM720D060E71/
21	Screw	AMZ30P060FZK
22	3P Housing Wire (J109)	ADX2847
23	11P Housing Wire (J102)	ADX2853
24	12P Housing Wire (J103)	ADX2854
25	Wire A (J101)	ADX2839
26	WireD (J118)	ADX3030
20 27	5P Housing Wire (J119)	ADX3030
28	9P Housing Wire (J115)	ADX2895
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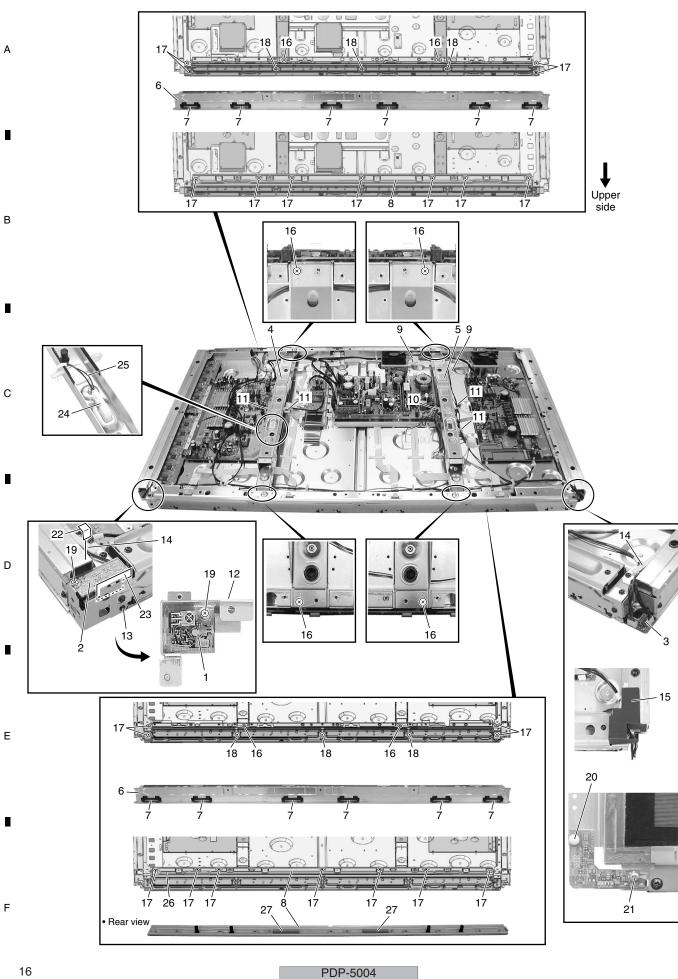
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2.2.3 FRAME SECTION



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FRAME	SECTION parts List					
Mark No.	<u>Description</u>	Part No.				
1	IR RECEIVE Assy	AWZ6855				
2	KEY CONTROL Assy	AWZ6969				Α
3	LED Assy	AWZ6966				
4	Sub Frame L Assy (50M)	ANG2596				
5	Sub Frame R Assy (50M)	ANG2598				ļ
6	Front Chassis H (50)	ANA1733				_
7	Front Spacer (CMX)	AMR3384				
8	Rear Frame (50M)	ANG2602				
9	Locking Wire Saddle	AEC1948				
10	Locking Wire Saddle	AEC1992				
11	Wire Saddle	AEC1745				В
NSP 12	IR Holder	ANG2551				
13	Nylon Rivet	AEC1671				
14	Flat Clamp	AEC1879				
15	Enclosure Sheet 1	AMR3405				
16	Screw	AMZ30P080FMC				
17	Screw	AMZ30P060FZK				
18	Screw	APZ30P080FZK				
19	Screw	ABZ30P060FMC				
20	Nylon Rivet	AEC1997				С
21	Screw	BBZ30P050FMC				J
22	Enclosure Sheet 2 (V)	AMR3411				
23	Enclosure Sheet 3	AMR3407				
24	Power Switch (S2)(TRAP)	ASG1089				
25	3P Housing Wire (J114)	ADX3032				
26	Gasket S (CM)	ANK1749				
27	Gasket (CM)	ANK1748				
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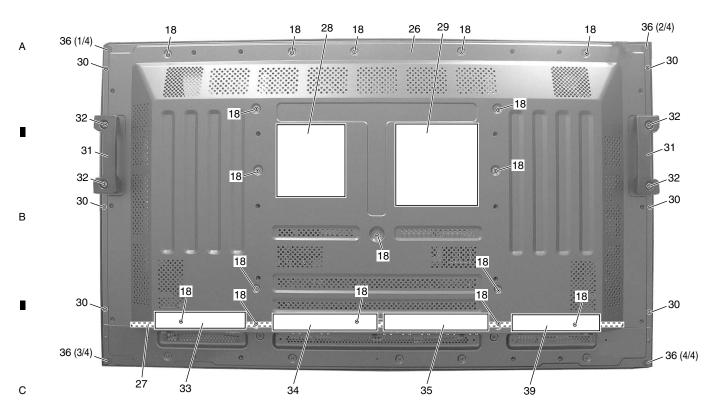
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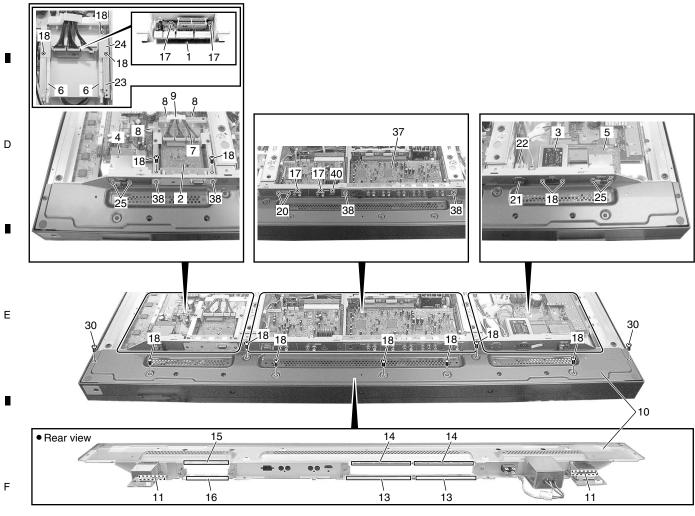
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2.2.4 TERMINAL PANEL and REAR SECTION





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TERMINAL PANEL and REAR SECTION parts List

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	COMM SLOT I/F Assy	AWZ6964	⚠ 21	Power Switch (S1)	ASG1094	
2	COMM SLOT Assy	AWZ6968	22	Housing Wire (MX)(J116)	ADX2896	Α
<u> </u>	AC Inlet (CN1)	AKP1244	23	COMM Stay A	ANG2605	,,
4	SP TERMINAL R Assy	AWZ6857	24	COMM Stay B	ANG2606	
5	SP TERMINAL L Assy	AWZ6856	25	Screw	APZ30P080FZK	
6	Guide Rail EX	AEC1994	26	Rear Case (50M)	ANE1623	_
7	6P Housing Wire (J108)	ADX3029	27	Gasket T-R50	ANK1735	
8	Wire Saddle	AEC1745	NSP 28	Name Label	See Contrast table (2)	
9	Clamp	AEC1884	29	Caution Label	AAX3048	
10	Terminal Panel (F50)	ANG2685	30	Screw	TBZ40P080FZK	
11	Gasket SP-T	ANK1734	31	Grip	AMR3380	В
12	••••		32	Screw	HMB50P140FZK	
13	Slot Spring B126	ABK1033	33	Terminal Label R (SF50C)	AAX3126	
14	Slot Spring T130	ABK1032	34	Terminal Label C (SF50C)	AAX3130	
15	Slot Spring T94	ABK1034	35	Terminal Label V (CM)	AAX3137	
16	Slot Spring B92	ABK1035	36	Rear Corner Label (15)	AAX3081	
17	Screw	VBB30P080FNI	37	VIDEO SLOT 2 Assy	AWV2159	
18	Screw	AMZ30P060FZK	38	Screw	ABA1300	
19	••••		39	Terminal Label L (50M)	AAX3061	
20	Hexagon Head Screw	BBA1051	40	Screw	BMZ30P080FZK	
						С

(2) CONTRAST TABLE PDP-5004/KUC and PDP-5014/KUC are constructed the same except for the following:

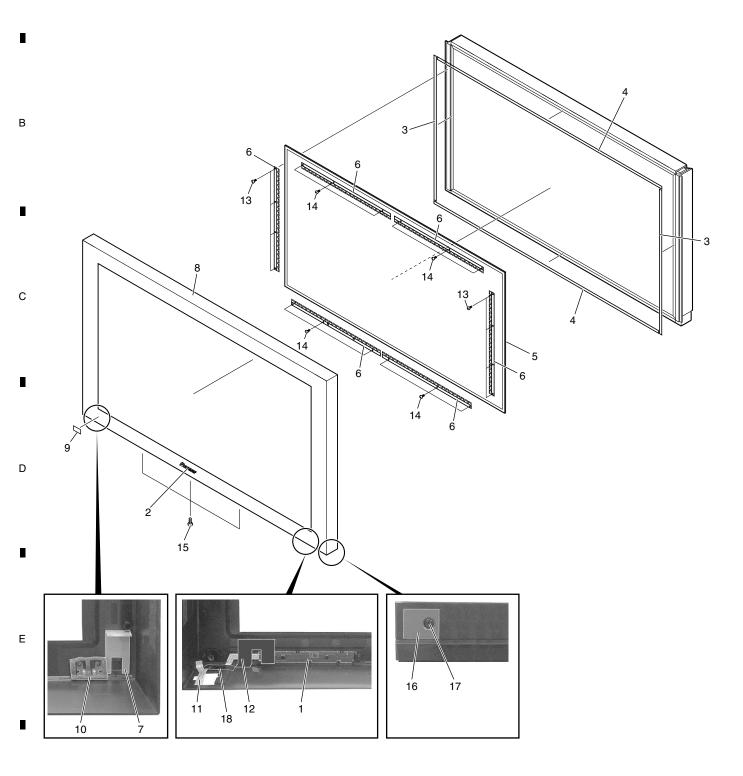
	Mark	No.	Symbol and Description	PDP-5004/ KUC	PDP-5014/ KUC
ĺ	NSP	28	Name Label (SF50C)	AAL2593	Not used
ı	NSP	28	Name Label (SF50S)	Not used	AAL2595

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FRONT SECTION parts List

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	FRONT KEY Assy	AWZ6970	11	Flexible Cable (J211)	ADD1281	
2	PIONEER Badge	AAM1091	12	Flexible Seal (P)	AEH1072	Α
3	Panel Cushion V	AED1199	13	Screw	ABZ30P060FMC	,
4	Panel Cushion H	AED1226	14	Screw	APZ30P080FZK	
	Protect Panel Assy (50)	AMR3348	15	Screw	APZ30P120FZK	
6	Panel Holder (50)	ANG2563	16	Lead Cover	See Contrast table (2)	
7	Earth Plate (MX)	AMR3432	17	Rivet	AEC1877	
8	Front Case Assy	See Contrast table (2)	18	Flexible Seal (SF)	AEH1082	
NSP 9	Energy Star Label	AAX8022				
10	Blind Cushion	AEB1400				

(2) CONTRAST TABLE PDP-5004/KUC and PDP-5014/KUC are constructed the same except for the following:

Ма	ark No.	Symbol and Description	PDP-5004/ KUC	PDP-5014/ KUC
	8	Front Case Assy (F50C)	AMB2843	Not used
	8	Front Case Assy (F50S)	Not used	AMB2844
	16	Lead Cover (SF)	AMR3436	Not used
	16	Lead Cover (4G)	Not used	AMR3395

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2.2.6 PANEL CHASSIS (50) ASSY (AWU1099) Panel Chassis (50) Assy (AWU1099) Parts List

Α	Mark No.	<u>Description</u>	Part No.
	NSP	150 ADDRESS Assy	AWV2121
	NSP	250 ADDRESS Assy	AWZ6839
	NSP	150 SCAN FUKUGO Assy	AWV2036
	NSP	250 SCAN A Assy	AWZ6809
	NSP	250 SCAN B Assy	AWZ6810
	NSP	2X CONNECTOR A Assy	AWZ6811
	NSP	2X CONNECTOR B Assy	AWZ6812
	NSP	Address Module (IC1-IC40)	AXF1124
	NSP	Plasma Panel Assy (50")(V1)	AAV1251
В	NSP	FPC (50XGA-X)	ADY1084
	NSP	FPC (50XGA-Y)	ADY1085
	NSP	Chassis Assy (50)	ANA1774
		Edge Card Spacer	AEC1998
		PCB Spacer	AEC1944
		PCB Support	AEC1958
		Rivet	AMR1066
		FC Spacer	AMR3370
•	NSP	Adhesive	ZBA-KE3424S
С	NSP	Cleaner	ZLX-AP7
	NSP	Tape	ZTA-8101-12
	NSP	Double Faced Tape	ZTB-5015-18
	NSP	Tape	ZTC-POLYCA-11
	NSP	Tape	ZTC-POLYCA-20
	NSP	Double Faced Tape	ZTB-5015-9
	NSP	Tape	ZTC-900UL-15
	NSP	Silicone Rubber	ZTX-HC20-15
	NSP	Wiping Cloth	ZTX-MX100-13
D	NSP	Film	ZTX-2102Y35-2R5
	NSP	Film	ZTX-2102Y45-5
	NSP	Silicone Rubber	ZTX-HC50-15
	NSP	Silicone Rubber	ZTC-EM7KBOR85T-15W

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2.2.7 PDP SERVICE ASSY (AWU1108) PDP SERVICE Assy (AWU1108) Parts List

i di ta		
Mark No.	<u>Description</u>	Part No.
NSP	P. Chassis (50) Assy	AWU1099
NSP	Front Chassis H (50)	ANA1733
	F. Chassis VL (50M)	ANA1765
	F. Chassis VR (50M)	ANA1766
	Sub Frame L Assy (50M)	ANG2638
	Sub Frame R Assy (50M)	ANG2561
	Scan Heatsink	ANH1630
	Spacer	AEB1397
	Wire Saddle	AEC1745
	Clamp	AEC1884
	PCB Support	AEC1938
	PCB Spacer	AEC1941
	PCB Spacer	AEC1947
	Wire Clip	AEC1948
	Wire Clip	AEC1992
	Panel Cushion V	AED1199
	Panel Cushion H	AED1226
	Siricon Sheet SC	AEH1080
	Front Spacer	AMR3369
	Caution Label	AAX3031
NSP	Drive Voltage Label	ARW1097
	Screw	ABZ30P100FZK
	Screw	AMZ30P060FZK
	Screw	AMZ30P080FMC
	Screw	APZ30P080FZK
NSP	Front Case (504 SVC)	AMB2811
	Rear Case (50P)	ARM1247
	Caution Card (SVC)	AHA2280
	Pad (PP T-L)	AHA2315
	Pad (PP T-R)	AHA2316
	•	
	Center Pad (50)	AHA2335
	Pad (PP B-L)	AHA2343
	Pad (PP B-R)	AHA2344
	Sub Carton	AHB1248
	Carton (50)	AHD3177
	` '	
NSP	Upper Carton (504SVC)	AHD3212
	Protect Sheet	AHG1331

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CHASSIS SE	CTION (1) pa	rts List			

	(/ 1	
Mark No.	<u>Description</u>	Part No.
NSP 1	P. Chassis (43) Assy	AWU1098
NSP 2	43 ADDRESS Assy	AWZ6793
3	DIGITAL VIDEO Assy	AWV2100
4	FPC (114P)	ADY1081
5	Flexible Cable (J201)	ADD1257
6	Flexible Cable (J203)	ADD1259
7	Flexible Cable (J204)	ADD1260
8	Flexible Cable (J209)	ADD1223
9	Flexible Cable (J210)	ADD1224
10	Flexible Cable (J205)	ADD1261
11	Flexible Cable (J206)	ADD1262
12	Flexible Cable (J207)	ADD1263
13	Flexible Cable (J208)	ADD1264
14	Ferrite Core	ATX1048
15	Flat Clamp	AEC1879
16	PCB Spacer	AEC1941
17	PCB Support	AEC1938
18	PCB Spacer	AEC1944
19	PCB Support	AEC1958
20	Ferrite Clamp	AEC1986
21	Wire Saddle	AEC1745
22	PCB Spacer	AEC1947
23	Locking Wire Saddle	AEC1948
24	Drive Silicone Sheet C	AEH1066
25	Drive Silicone Sheet B	AEH1065
26	Y Drive Protection Sheet	AMR3346
27	Screw	VBB30P080FNI
28	Flexible Cable (J202)	ADD1258
29	Locking Wire Saddle	AEC1992
30	Harness Lifter 18	AEC1980
31	Edge Card Spacer	AEC1998

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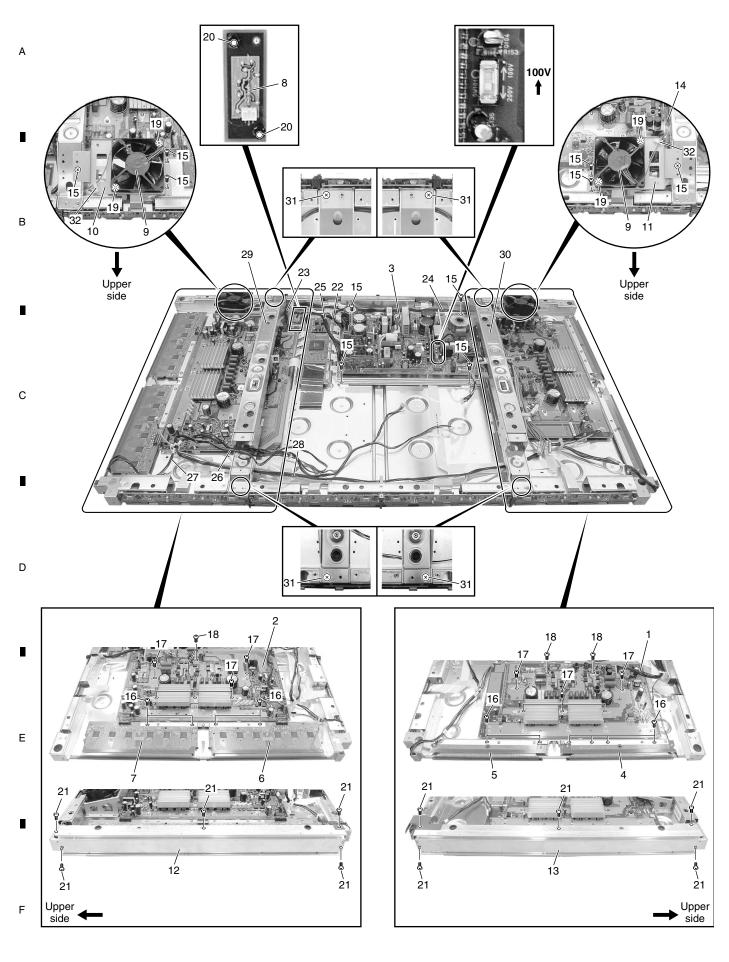
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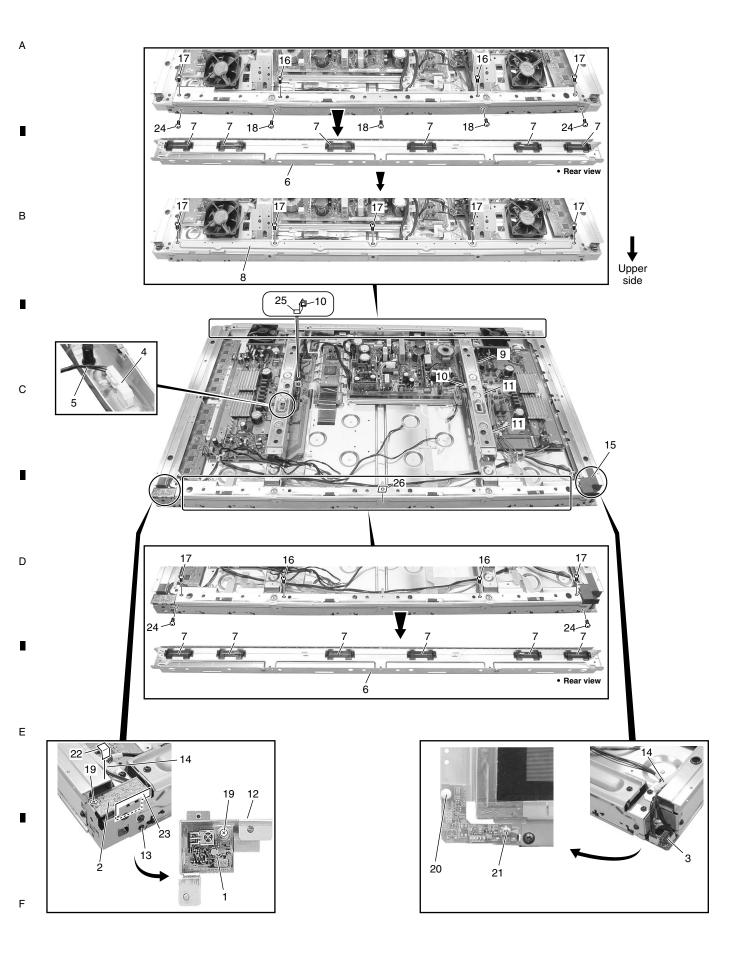
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CHAS	SSIS	S SECTION (2) parts L	ist
Mark	No.	Description	Part No.
	1	43 X DRIVE Assy	AWZ6840
	2	43 Y DRIVE Assy	AWV2022
<u> </u>	3	POWER SUPPLY Unit	AXY1083
NSP	4	X CONNECTOR B Assy	AWZ6799
NSP	5	X CONNECTOR A Assy	AWZ6798
NSP	6	43 SCAN A Assy	AWZ6796
NSP	7	43 SCAN B Assy	AWZ6797
	8	PANEL SENSOR Assy	AWZ6795
<u> </u>	9	Fan Motor (80 x 25)	AXM1044
	10	Fan Angle L (43M)	ANG2655

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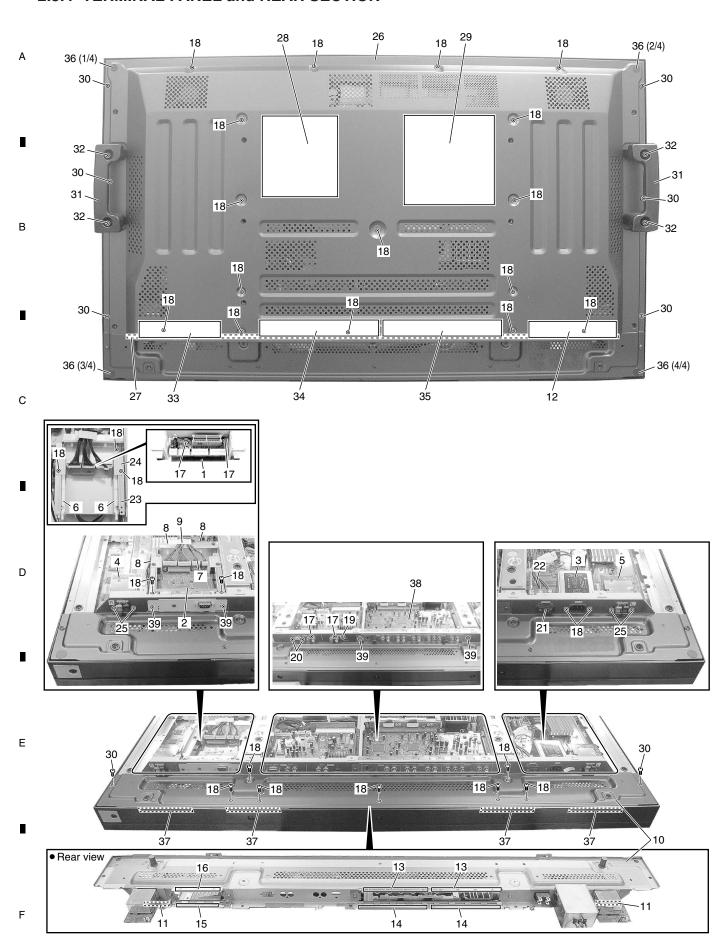
	5	6	-	7	-	8	
FRAME	SECTION parts List						
Mark No.	<u>Description</u>	Part No.					
1	IR RECEIVE Assy	AWZ6855					
2	KEY CONTROL Assy	AWZ6969					Α
3	LED Assy	AWZ6966					, ,
4	Power Switch (S2)(TRAP)	ASG1089					
5	3P Housing Wire (J114)	ADX3036					
6	Front Chassis H (43)	ANA1714					_
7	Front Spacer (CMX)	AMR3384					
8	Rear Frame (43M)	ANG2613					
9	Locking Wire Saddle	AEC1948					
10	Locking Wire Saddle	AEC1992					
11	Wire Saddle	AEC1745					В
NSP 12	IR Holder	ANG2551					
13	Nyron Rivet	AEC1671					
14	Flat Clamp	AEC1879					
15	Enclosure Sheet 1	AMR3405					
16	Screw	AMZ30P080FMC					
17	Screw	AMZ30P060FZK					
18	Screw	APZ30P080FZK					
19	Screw	ABZ30P060FMC					
20	Nyron Rivet	AEC1997					С
21	Screw	BBZ30P050FMC					
22	Enclosure Sheet 2 (V)	AMR3411					
23	Enclosure Sheet 3	AMR3407					
24	Screw	PMB30P060FNI					
25	Cable Cover	AMR3431					I
NSP 26	Front Case Spacer	AMR3430					
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2.3.4 TERMINAL PANEL and REAR SECTION



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TERMINAL PANEL and REAR SECTION parts List

Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.	
1	COMM SLOT I/F Assy	AWZ6964	<u> </u>	Power Switch (S1)	ASG1094	
2	COMM SLOT Assy	AWZ6968	22	Housing Wire (MX)(J116)	ADX2896	Α
<u> </u>	AC Inlet (CN1)	AKP1244	23	COMM Stay A	ANG2605	,,
4	SP TERMINAL R Assy	AWZ6857	24	COMM Stay B	ANG2606	
5	SP TERMINAL L Assy	AWZ6856	25	Screw	APZ30P080FZK	
6	Guide Rail EX	AEC1994	26	Rear Case (43M)	ANE1624	_
7	6P Housing Wire (J108)	ADX3033	27	Gasket T-R43	ANK1736	
8	Wire Saddle	AEC1745	NSP 28	Name Label	See Contrast table (2)	
9	Clamp	AEC1884	29	Caution Label (M)	AAX3048	
10	Terminal Panel (F43)	ANG2687	30	Screw	TBZ40P080FZK	
11	Gasket SP-T	ANK1734	31	Grip	AMR3380	В
12	Terminal Label L (43M)	AAX3062	32	Screw	HMB50P140FZK	
13	Slot Spring B126	ABK1033	33	Terminal Label R (SF43C)	AAX3128	
14	Slot Spring T130	ABK1032	34	Terminal Label C (SF43C)	AAX3130	
15	Slot Spring T94	ABK1034	35	Terminal Label V (CM)	AAX3137	
16	Slot Spring B92	ABK1035	36	Rear Corner Label (15)	AAX3081	
17	Screw	VBB30P080FNI	37	Spacer	AMR3433	
18	Screw	AMZ30P060FZK	38	VIDEO SLOT 2 Assy	AWV2159	
19	Screw	BMZ30P080FZK	39	Screw	ABA1300	
20	Hexagon Head Screw	BBA1051				
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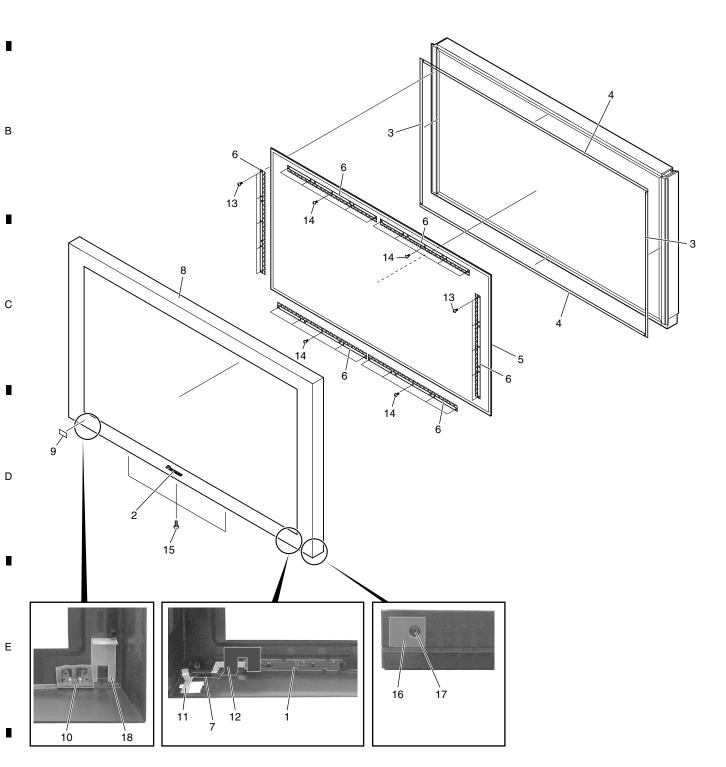
(2) CONTRAST TABLE PDP-4304/KUC and PDP-4314/KUC are constructed the same except for the following:

	Mark	No.	Symbol and Description	PDP-4304/ KUC	PDP-4314/ KUC
ĺ	NSP	28	Name Label (SF43C)	AAL2594	Not used
	NSP	28	Name Label (SF43S)	Not used	AAL2596

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FRONT SECTION (1) parts List

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	FRONT KEY Assy	AWZ6970	11	Flexible Cable (J211)	ADD1281	
2	Pioneer Name Plate	AAM1091	12	Flexible Seal (P)	AEH1072	Α
3	Panel Cushion V (43M)	AED1254	13	Screw	ABZ30P060FMC	,,
4	Panel Cushion H (43M)	AED1253	14	Screw	APZ30P080FZK	
⚠ 5	Protect Panel Assy (43)	AMR3345	15	Screw	APZ30P120FZK	
NSP 6	Panel Holder (43)	ANG2552	16	Lead Cover	See Contrast table (2)	
7	Flexible Seal (SF)	AEH1082	17	Rivet	AEC1877	
8	Front Case Assy	See Contrast table (2)	18	Earth Plate (MX)	AMR3432	
9	Energy Star Label	AAX8022				
10	Blind Cushion	AEB1400				

(2) CONTRAST TABLE PDP-4304/KUC and PDP-4314/KUC are constructed the same except for the following:

	Mark	No.	Symbol and Description	PDP-4304/ KUC	PDP-4314/ KUC
ĺ		8	Front Case Assy (F43C)	AMB2846	Not used
		8	Front Case Assy (F43S)	Not used	AMB2847
		16	Lead Cover (SF)	AMR3436	Not used
		16	Lead Cover (4G)	Not used	AMR3395

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2.3.6 PANEL CHASSIS (43) ASSY (AWU1098) Panel Chassis (43) Assy (AWU1098) Parts List

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Α	Mark No.	<u>Description</u>	Part No.
^	NSP	143 ADDRESS Assy	AWV2120
	NSP	243 ADDRESS Assy	AWZ6793
	NSP	143 SCAN FUKUGO Assy	AWV2023
	NSP	243 SCAN A Assy	AWZ6796
	NSP	243 SCAN B Assy	AWZ6797
	NSP	2X CONNECTOR A Assy	AWZ6798
	NSP	2X CONNECTOR B Assy	AWZ6799
	NSP	Address Module (IC1-IC32)	AXF1124
	NSP	Plasma Panel Assy (43")(V1)	AAV1250
В	NSP	FPC (43XGA-X)	ADY1079
	NSP	FPC (43XGA-Y)	ADY1080
	NSP	Chassis Assy (43)	ANA1773
		PCB Spacer	AEC1944
		PCB Support	AEC1958
-		Edge Card Spacer	AEC1998
		Rivet	AMR1066
		FC Spacer	AMR3370
	NSP	Adhesive	ZBA-KE3424S
С	NSP	Cleaner	ZLX-AP7
	NSP	Tape	ZTA-8101-12
	NSP	Double Faced Tape	ZTB-5015-18
	NSP	Double Faced Tape	ZTB-5015-9
	NSP	Tape	ZTC-POLYCA-11
	NSP	Tape	ZTC-POLYCA-20
	NSP	Tape	ZTC-900UL-15
	NSP	Wiping Cloth	ZTX-MX100-13
	NSP	Film	ZTX-2102Y35-2R5
D	NSP	Film	ZTX-2102Y45-2R5
	NSP	Film	ZTX-2102Y45-5
	NSP	Silicone Rubber	ZTC-EM7KB0R85T-15W
	NSP	Silicone Rubber	ZTX-HC50-15
	NSP	Silicone Rubber	ZTX-HC20-15
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PDP-5004

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2.3.7 PDP SERVICE ASSY (AWU1109) PDP SERVICE Assy (AWU1109) • Parts List

Mark No.	<u>Description</u>	Part No.
NSP	P. Chassis (43) Assy	AWU1098
NSP	Front Chassis H (43)	ANA1714
	F Chassis VL (43M)	ANA1762
	F Chassis VR (43M)	ANA1763
	Sub Frame L Assy (43M)	ANG2545
	Sub Frame R Assy (43M)	ANG2548
	Spacer	AEB1397
	Edging Saddle	AEC1737
	Wire Saddle	AEC1745
	Clamp	AEC1884
	PCB Support	AEC1938
	PCB Spacer	AEC1941
	PCB Spacer	AEC1947
	Locking Wire Saddle	AEC1948
	HL18	AEC1980
	Ferrite Clamp	AEC1986
	Locking Wire Saddle	AEC1992
	Panel Cushion H (43M)	AED1253
	Panel Cushion V (43M)	AED1254
	Y Drive Protection Sheet	AMR3346
	Front Spacer	AMR3369
	Caution Label	AAX3031
NSP	Drive Voltage Label	ARW1097
	Screw	ABZ30P100FZK
	Screw	AMZ30P060FZK
	Screw	AMZ30P080FMC
	Screw	APZ30P080FZK
	Screw	VBB30P080FNI
NSP	Front Case (434 SVC)	AMB2810
	Rear Case (43P)	ANE1612
NSP	Exchange Panel Sheet	ARM1250
	Pad (PP T-L)	AHA2315
	Pad (PP T-R)	AHA2316
	Center Pad (43)	AHA2336
	Pad (PP B-L)	AHA2343
	Pad (PP B-R)	AHA2344
	Carton (43PU)	AHD3193
	Upper Carton (434S)	AHD3204
	Protect Sheet	AHG1331

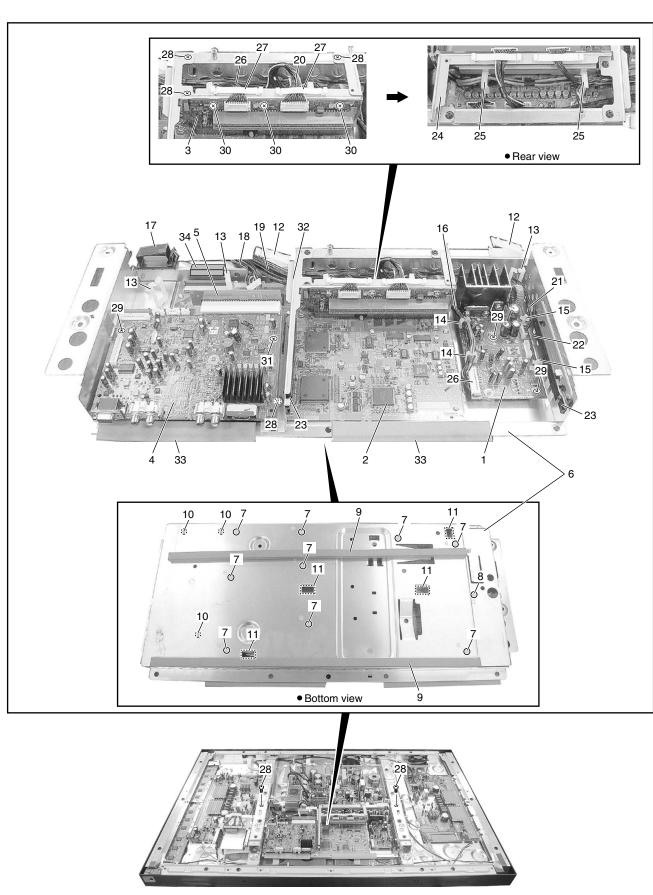
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2.4 MULTI BASE SECTION for PDP-5004, PDP-5014, PDP-4304 and PDP-4314 2.4.1 MULTI BASE SECTION

Note: This illustration is PDP-5004.

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MULTI BASE SECTION parts List

Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.	
1	AUDIO AMP Assy	AWZ6848	19	10P Housing Wire (J113)	ADX2908	
2	RGB Assy	AWZ6961	20	12P Housing Wire (J112)	ADX2892	Α
3	VIDEO SLOT I/F Assy	AWZ6851				,,
4	AV I/O Assy	See Contrast table (2)	21	13P/6P Housing Wire (J104)	ADX2910	
5	AV I/O I/F Assy	AWZ6859	22	COVER Assy	AWZ6858	
			23	Guide Rail EX	AEC1994	
6	Multi Base (CMX)	ANA1757	24	Slot Stay	ANG2608	
7	PCB Holder	AEC1088	25	Wire Saddle	AEC1745	
8	PCB Spacer	AEC1991				
9	Gasket C-M	ANK1737	26	11P Housing Wire (J111)	See Contrast table (2)	
10	Locking Card Spacer	AEC1429	27	Flat Clamp	AEC1879	
			28	Screw	AMZ30P060FZK	
11	Ground Finger	ANG2468	29	Screw	PMB30P060FNI	В
12	Clamp	AEC1884	30	Screw	VBB30P080FNI	
13	Wire Saddle	AEC1989				
14	Mini Clamp	AEC1971	31	Pin Grommet	AEC1015	
15	Double Locking Spacer	AEC1988	32	Video Stay	ANG2607	
			33	Gasket M-T 150	ANK1738	
16	15P/16P Housing Wire (J106)	ADX3028	34	Shield Sheet	AEC2004	
17	Cable Clamp	AEC1707				
18	10/11P Housing Wire (J110)	See Contrast table (2)				

(2) CONTRAST TABLE PDP-5004/KUC, PDP-4304/KUC and PDP-4314/KUC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-5004/ KUC	PDP-5014/ KUC	PDP-4304/ KUC	PDP-4314/ KUC
	4	AV I/O Assy	AWZ6967	AWZ6971	AWZ6967	AWZ6971
	18	10/11P Housing Wire (J110)	ADX2890	ADX2890	ADX2912	ADX2912
	26	11P Housing Wire (J111)	ADX2891	ADX2891	ADX2913	ADX2913

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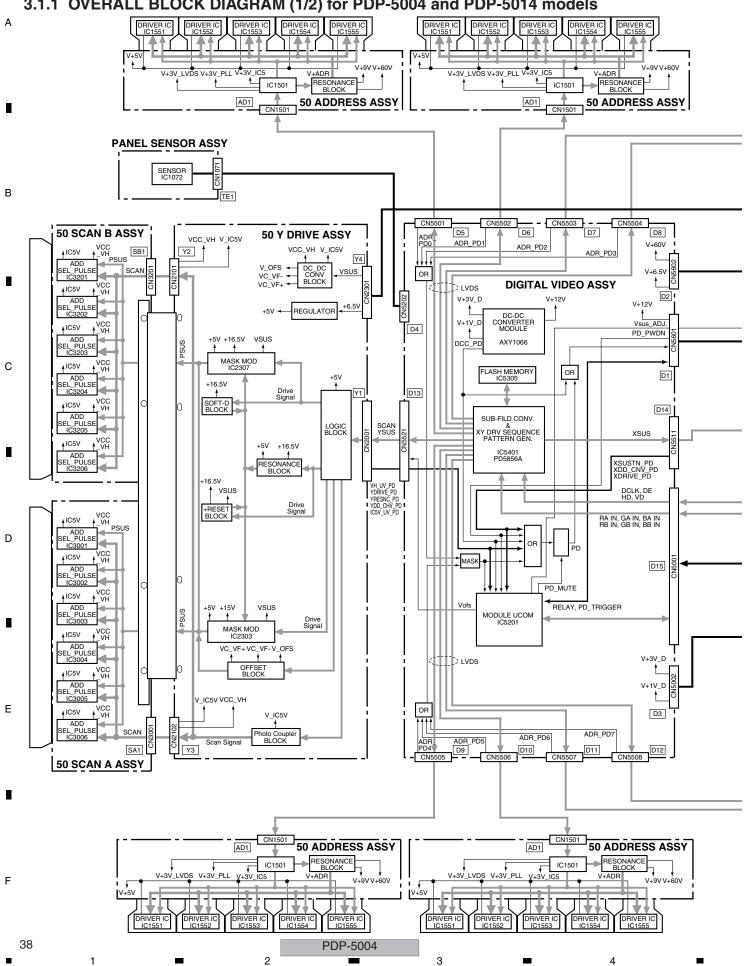
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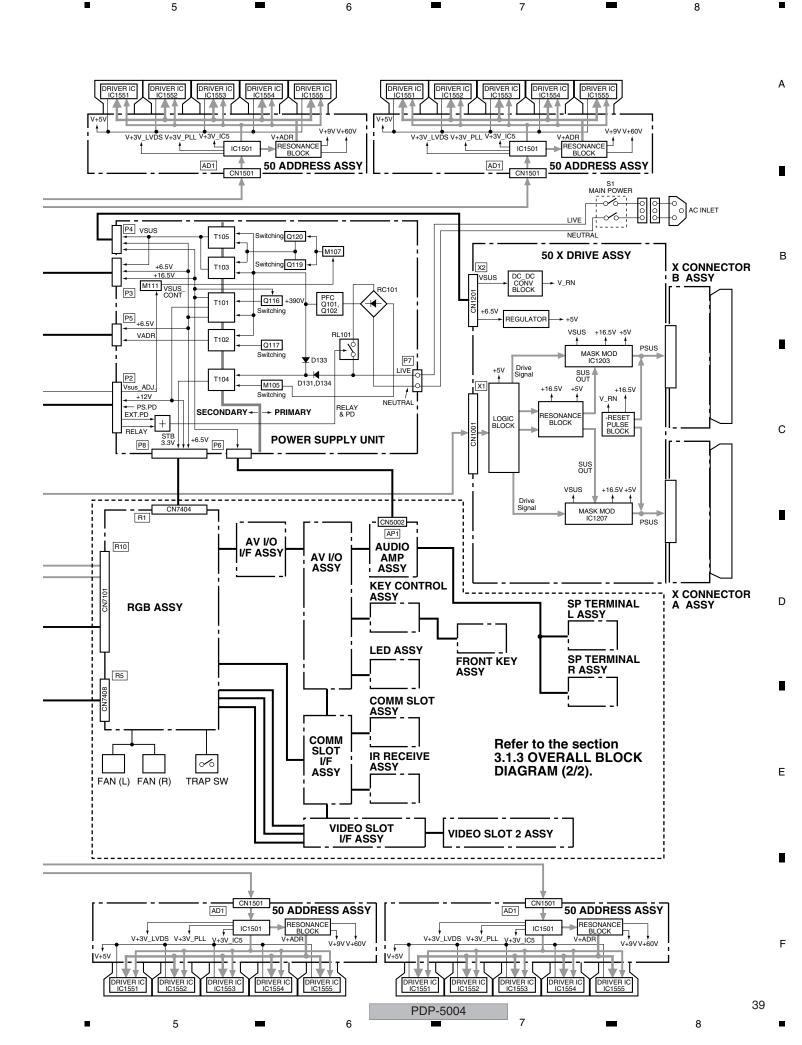
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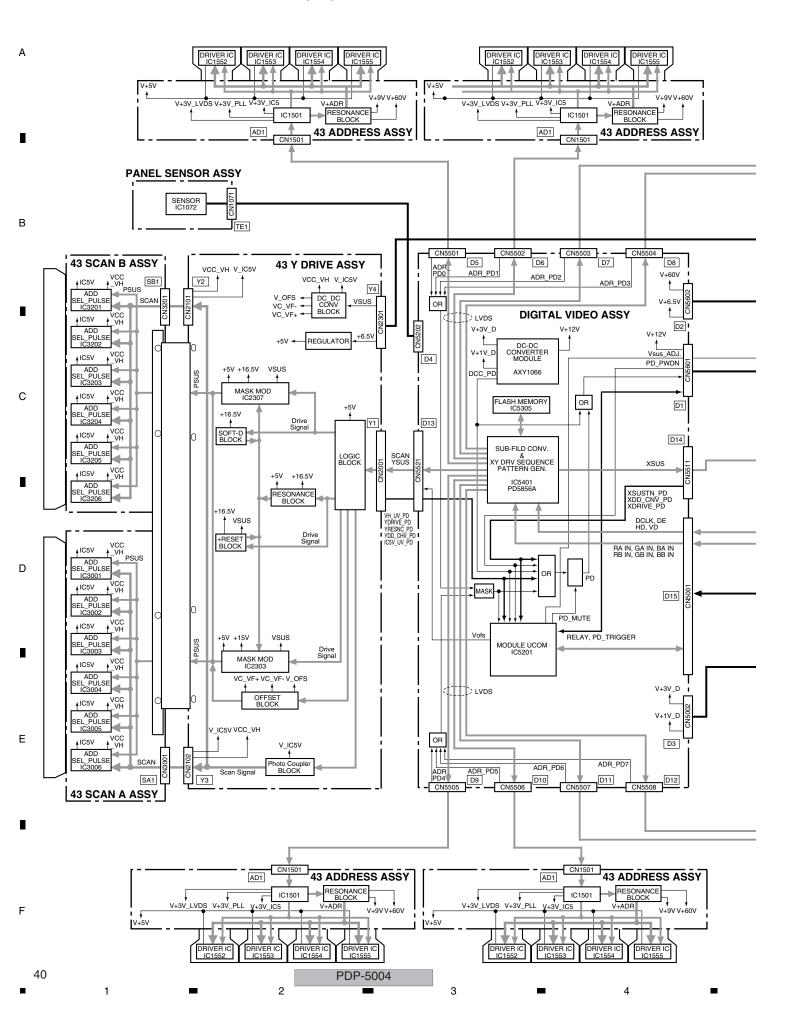
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

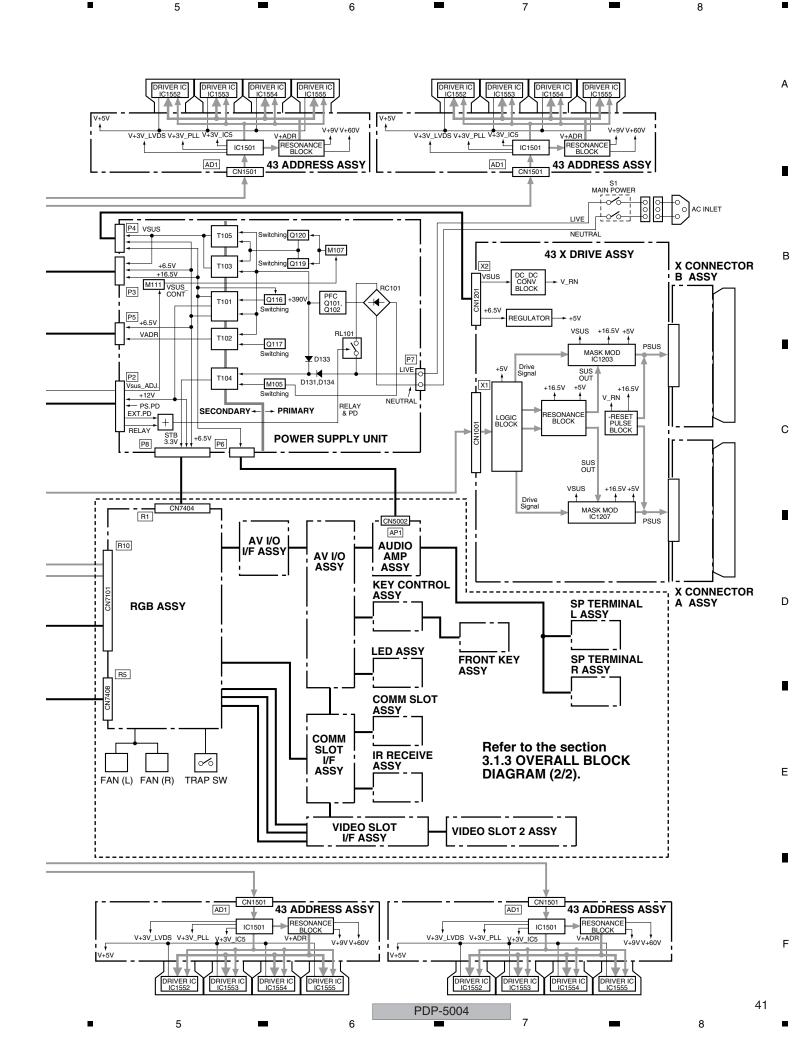
3.1 BLOCK DIAGRAM

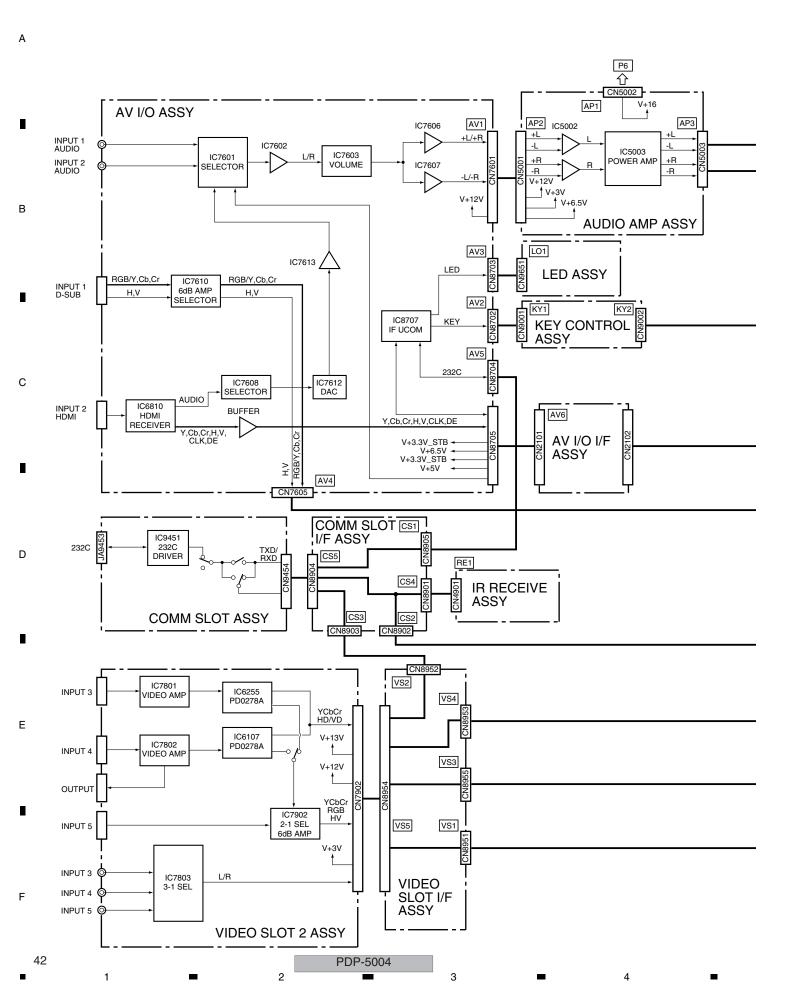
3.1.1 OVERALL BLOCK DIAGRAM (1/2) for PDP-5004 and PDP-5014 models



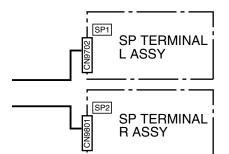


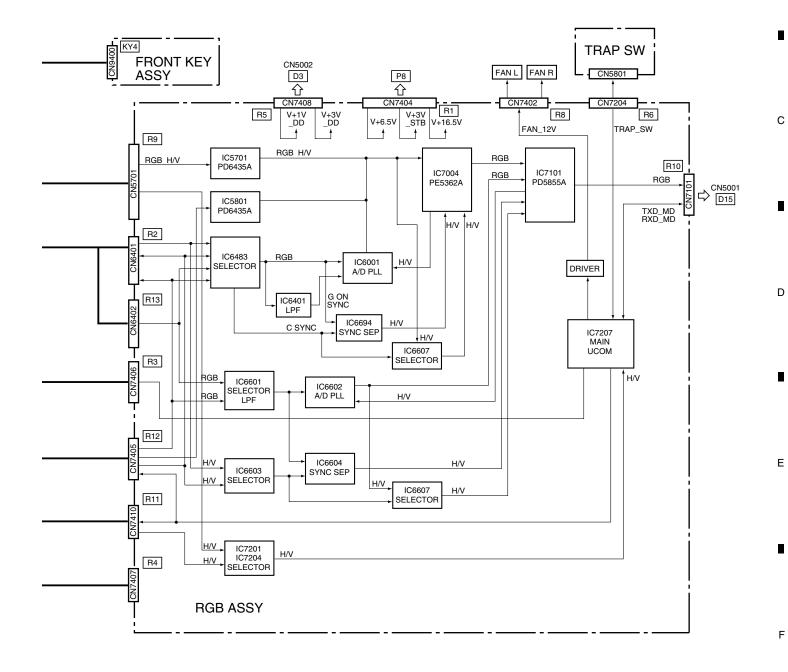












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PDP-5004

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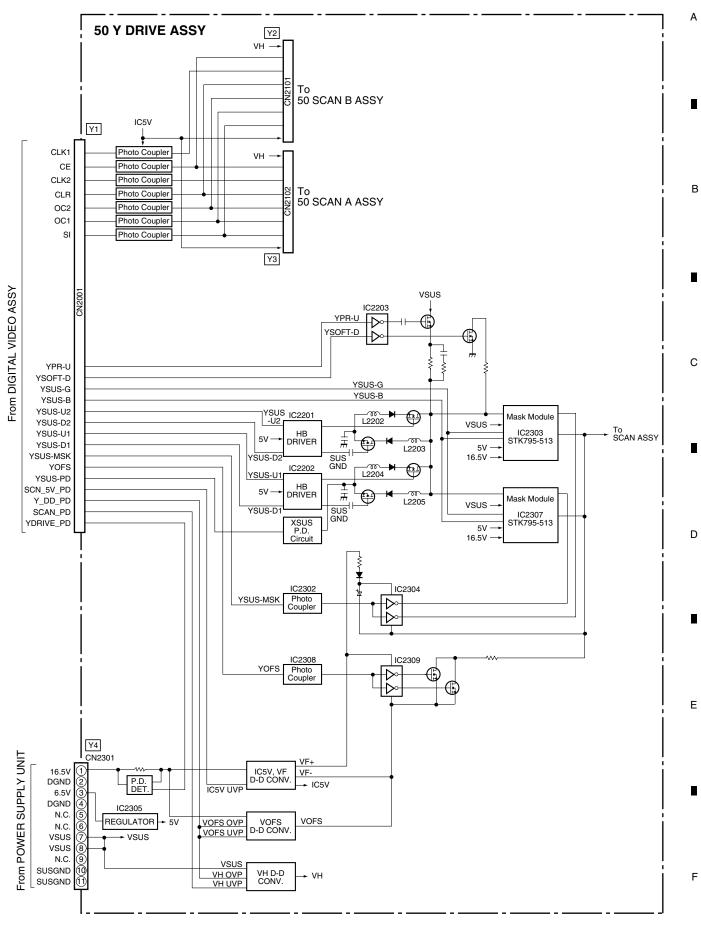
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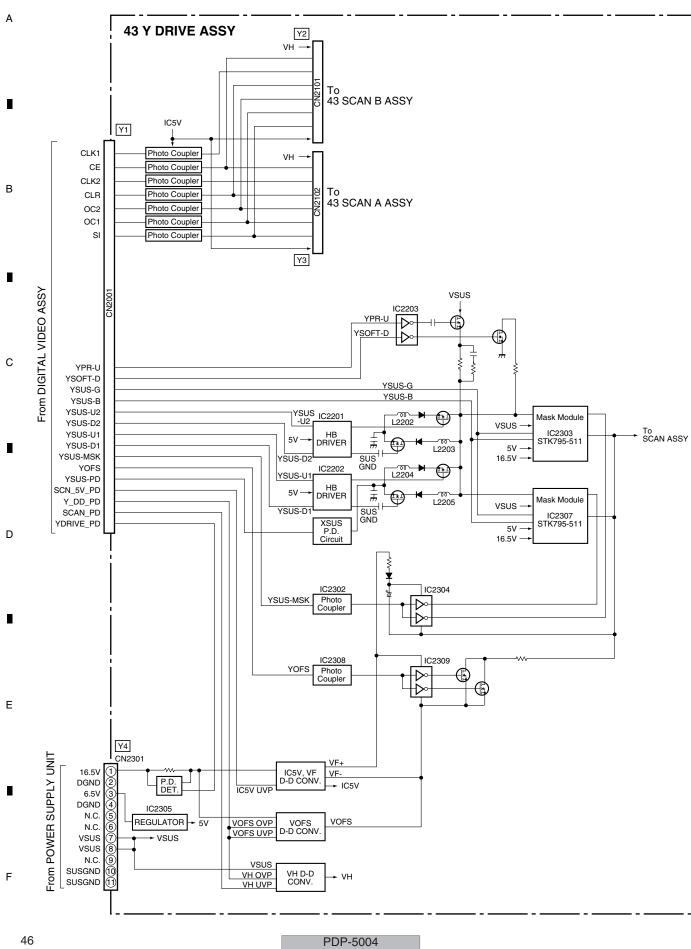
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PDP-5004



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PDP-5004

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X1

X2 CN1201

> P.D. DET.

> > IC1205

REGULATOR

16.5V

DGND

6.5V DGND

N.C.

N.C. VSUS

VSUS

N.C.

SUSGND

SUSGND N.C.

XSUS-G

XSUS-B XSUS-U2

XSUS-D2 XSUS-U1

XSUS-D1

XSUS-MSK

XCP-MSK

XNR-D XSUS_PD

XDD_PD

XDRV_PD

2

43 X DRIVE ASSY

XSUS-G

______ L1102

_____ L1104

SUS GND

SUS GND

VCP

1

(1)

______ L1105

> XNR P.D. DET.

XSUS IC1101

5V ·

XSUS-D2

XSUS-U1

XSUS-D1

XSUS-MSK

XNR-D

VRN OVP P.D.

VRN UVP P.D.

vsus

D-D CONV. T1401

HB DRIVER

IC1102

HB DRIVER

XSUS P.D. Circuit

Charge Pump Circuit

Photo Coupler

IC1204

VRN-220V

3

VSUS

16.5V

vsus

5V -16.5V - Mask Module

IC1203 STK795-510

Mask Module

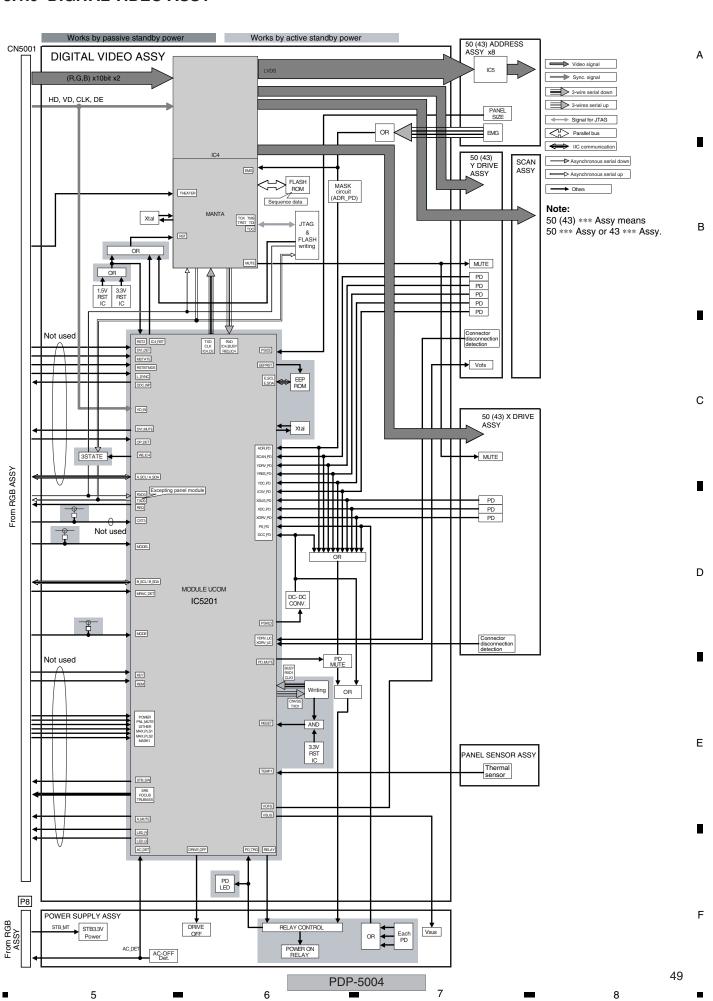
IC1207 STK795-510 To X CONNECTOR ASSY

PSUS

From POWER SUPPLY UNIT

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PDP-5004



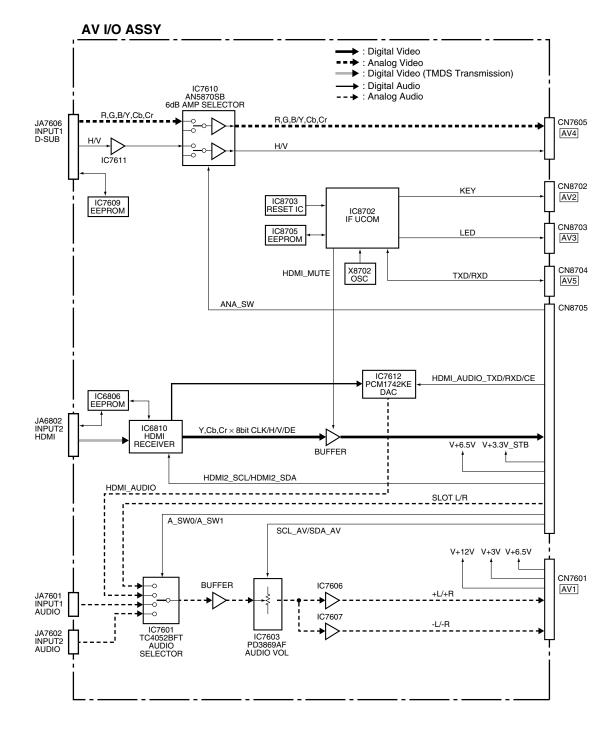
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PDP-5004

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PDP-5004

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3.1.12 AUDIO AMP and COMM SLOT ASSYS

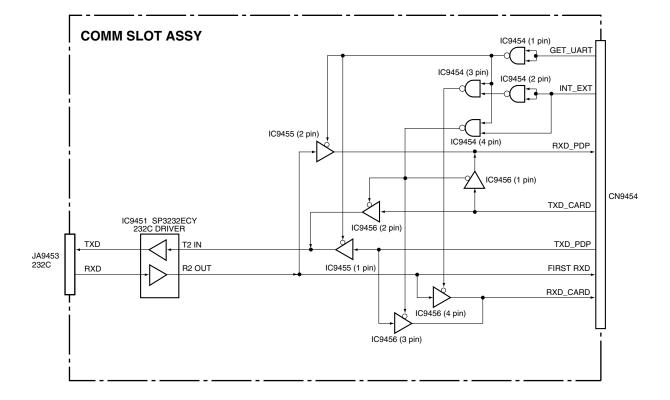
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AUDIO AMP ASSY AP3 AP2 IC5003 LA4625 POWER AMP CN5003 $\mathsf{BAL} \to \mathsf{UNBAL}$ CN5001 L_OUT + L_OUT -R_OUT + R_OUT -V+3.3V STBY AMUTE DC DETECT A_NG ТЕМР3 TEMP3 V+12V IC5001 SI-8120S AP1 V+16.5 CN5002 V+12V_D V+6.5V DD CONVERTER V+3.3V # V+12V REG.

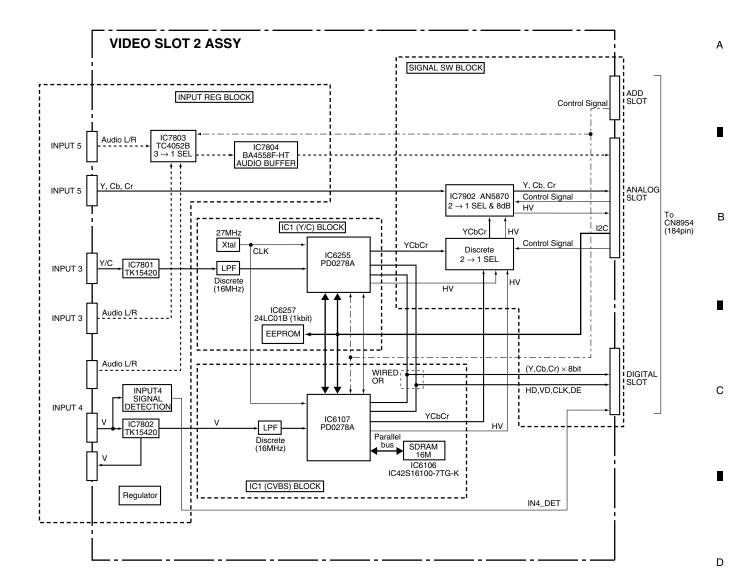


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PDP-5004

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PDP-5004

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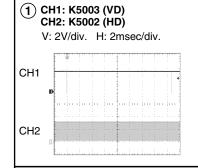
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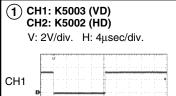
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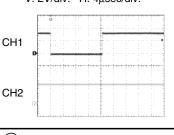
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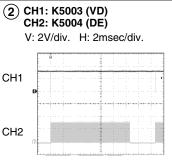
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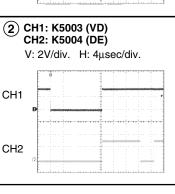
DIGITAL VIDEO ASSY (4/6) • DIGITAL I/F BLOCK

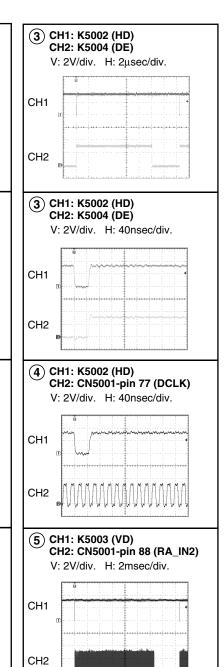










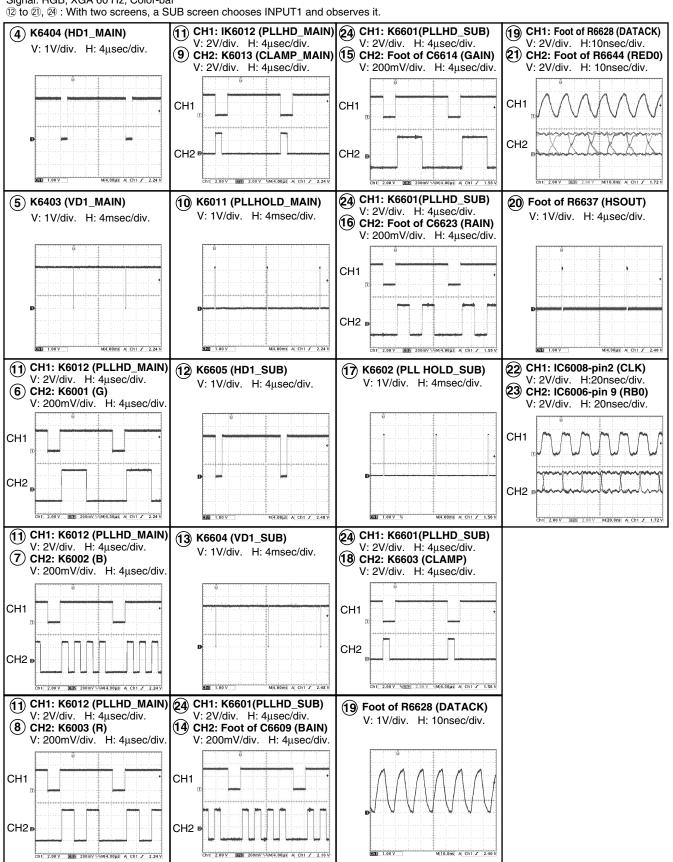


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RGB ASSY (2/10, 3/10, 4/10) MAUN AD BLOCK, MAIN LPF BLOCK, SUS LPF&AD BLOCK

Input: INPUT 1

Signal: RGB, XGA 60 Hz, Color-bar



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VIDEO SLOT 2 ASSY (1/4)

• IC1(CVBS) BLOCK

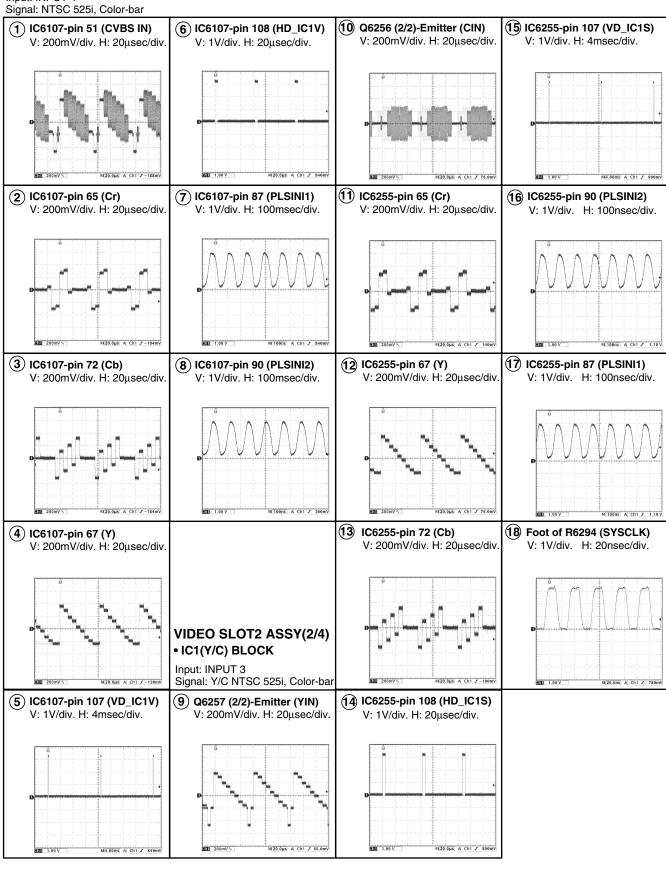
Input: INPUT 4

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PDP-5004

AV I/O ASSY (1/3) AV I/O ASSY (1/3) AV I/O BLOCK AV I/O BLOCK • AUDIO VIDEO Input: INPUT 1 Input: INPUT 1 **VIDEO SLOT2 ASSY (4/4)** Signal: 200mVrms, 1 kHz input, Signal: RGB, XGA 60 Hz, Color-bar • SIGNAL SW BLOCK **VOL MAX** 1 CH1: CN7605-pin 10(HD_IO) (6) CH1: JA7606-pin 13 (HD) (19) (-) side of C7908 (G/Y) (11) IC7601-pin 12 (L-AUDIO) V: 2V/div. H: 5µsec/div. V: 2V/div. H: 5µsec/div. V: 200mV/div. H: 20µsec/div. V: 200mV/div. H: 500µsec/div. 2) CH2: CN7605-pin 16 (R_IO) (8) CH2: JA7606-pin 2 (G) V: 500mV/div. H: 5µsec/div. V: 500mV/div. H: 5µsec/div. CH₁ CH₁ CH2 CH₂ В 1 CH1: CN7605-pin 10(HD_IO) (6) CH1: JA7606-pin 13 (HD) 20 (-) side of C7912 (B/Cb) 12) IC7603-pin 14 (L-AUDIO) V: 2V/div. H: 5µsec/div.

9 CH2: JA7606-pin 3 (B) V: 2V/div. H: 5µsec/div. V: 200mV/div. H: 20µsec/div. V: 200mV/div. H: 500usec/div. (3) CH2: CN7605-pin 14 (G_IO) V: 500mV/div. H: 5usec/div. V: 500mV/div. H: 5µsec/div. CH1 CH1 CH2 С 1 CH1: CN7605-pin 10(HD_IO) (13) CH1: CN7601-pin 14 (+L_OUT) (R/Cr) (21) (21) (21) (21) 10 JA7606-pin 14 (VD) V: 2V/div. H: 5µsec/div. V: 200mV/div. H: 500µsec/div V: 200mV/div. H: 20µsec/div. V: 2V/div. H: 5msec/div. (14) CH2: CN7601-pin 13 (-L_OUT) (4) CH2: CN7605-pin 12 (B_IO) V: 500mV/div. H: 5µsec/div. V: 200mV/div. H: 500usec/div CH1 CH₂ CH2 D (5) CN7605-pin 9 (VD_IO) V: 2V/div. H: 5msec/div. AUDIO AMP ASSY AUDIO Input: INPUT 1 Ε Signal: 200mVrms, 1 kHz input, **VOL MAX** (6) CH1: JA7606-pin 13 (HD) CH1: CN5003-pin 9 (L-) 1 IC5003-pin 1 (L-AUDIO) V: 2V/div. H: 500µsèc/div. V: 2V/div. H: 5µsec/div. V: 50mV/div. H: 500μsec/div (3) CH2: CN5003-pin 8 (L+) (7) CH2: JA7606-pin 1 (R) V: 2V/div. H: 500µsec/div. V: 500mV/div. H: 5µsec/div. CH1 CH₁ CH₂ CH2 F

PDP-5004

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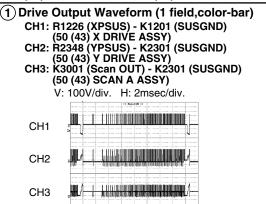
50 (43) X DRIVE ASSY, 50 (43) Y DRIVE ASSY and 50 (43) SCAN A ASSY

CH7

CH3

CH4

• 50 (43) X SUS BLOCK, 50 (43) Y LOGIC BLOCK, 50 (43) Y SUS BLOCK

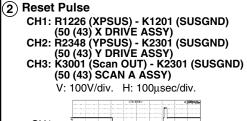


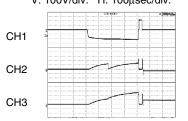
(5) Control Signal (Sustain Waveform Gen.) CH2: K2016 (YSUS-G) - K2010 (DGND)
CH3: K2025 (YSUS-U1) - K2010 (DGND)
CH4: K2022 (YSUS-U2) - K2010 (DGND)
CH5: K2026 (YSUS-B) - K2010 (DGND)
CH6: K2024 (YSUS-D2) - K2010 (DGND)
CH7: K2027 (YSUS-D1) - K2010 (DGND)
(50 (43) Y DRIVE ASSY) V: 1V/div. H: 500nsec/div. CH2 СНЗ CH4 CH₅ CH6

(6) Scan Control Signal (1 field, color-bar)

3

50 (43) *** Assy means 50 *** Assy or 43 *** Assy.





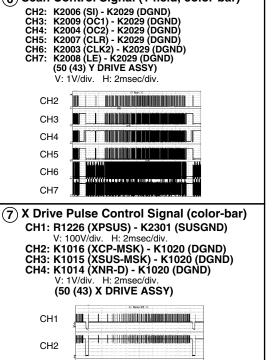
(3) Sustain Pulse (1 sub-sub-field)

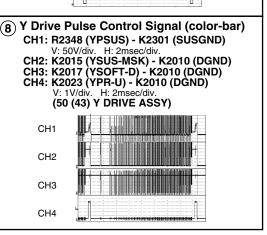
(50 (43) SCAN A ASSY)

V: 50V/div. H: 5µsec/div.

CH1: R1226 (XPSUS) - K1201 (SUSGND) (50 (43) X DRIVE ASSY) CH2: R2348 (YPSUS) - K2301 (SUSGND) (50 (43) Y DRIVE ASSY) CH3: K3001 (Scan OUT) - K2301 (SUSGND)

4) Sustain Waveform CH1: R2348 (YPSUS) - K2301 (SUSGND) (50 (43) Y DRIVE ASSY) V: 50V/div. H: 500nsec/div. CH₁





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CH₁

CH₂

CH3

50 (43) ADDRESS ASSY

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• ADR RESONANCE BLOCK (VIDEO)

CH1: IC1601-pin 2 (ADR_B2) (3) CH1: Q1601-pin 4 (ADR_B2) 5) CH1: Q1601 Drain (V+ADR) CH2: IC1603-pin 4 (ADR_U1) CH2: Q1603-pin 4 (ADR_U1) CH2: Q1603 Source CH3: IC1603-pin 2 (ADR_D1) CH3: Q1603-pin 2 (ADR_D1) CH3: Q1602 Source V: 1V/div. V: 10V/div. V: 10V/div. (Input: VIDEO, Signal: Color-bar) (Input: VIDEO, Signal: Color-bar) (Input: VIDEO, Signal: Color-bar) CH1 CH1 CH2 CH2 CH2 2msec/div. . .. 1μsec/div. 2msec/div. СНЗ CH3 CH3 CH1 CH1 CH1 CH₂ CH₂ H: CH₂ 1μsec/div. 1μsec/div. 1μsec/div. СНЗ СНЗ СНЗ (2) CH1: IC1601-pin 2 (ADR_B2) CH1: Q1601-pin 4 (ADR_B2) CH1: Q1601 Drain (V+ADR) CH2: Q1602-pin 4 (ADR_U2) CH2: Q1603 Source CH2: IC1602-pin 4 (ADR_U2) CH3: IC1602-pin 2 (ADR_D2) CH3: Q1602-pin 2 (ADR_D2) CH3: Q1602 Source V: 1V/div. V: 10V/div. V: 10V/div. (Input: VIDEO, Signal: Color-bar) (Input: VIDEO, Signal: Color-bar) (Input: VIDEO, Signal: B/W(1×8)) CH1 CH1 CH2 CH2 CH2 2msec/div. 1usec/div. 2msec/div. СНЗ СНЗ СНЗ CH1 CH1 CH1 CH2 CH2 CH2 1μsec/div. 1μsec/div. 1μsec/div. СНЗ СНЗ СНЗ

Note:

50 (43) *** Assy means 50 *** Assy or 43 *** Assy.

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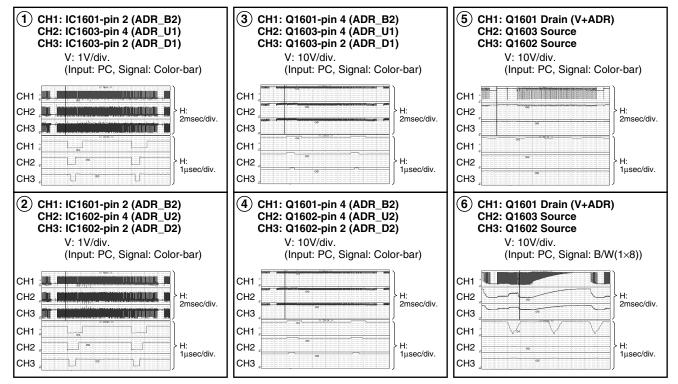
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50 (43) ADDRESS ASSY

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• ADR RESONANCE BLOCK (PC)



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50 ADDRESS ASSY ADR LOGIC BLOCK

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СНЗ

CH1: IC1553-pin 18 (CLK input) CH2: IC1553-pin 16 (LE input) CH3: IC1553-pin 9 (DATA input) V: 1V/div. (Input: VIDEO, Signal: Color-bar) CH1 CH2 . The second of the second 2msec/div. MWWWW.__MWWWWWWWWWWWWWWW.__MWWW CH1 H: 200nsec/div. CH2 снз ∦7/7/

CH1: IC1553-pin 23 (HBLK input) CH2: IC1553-pin 19 (LBLK input) CH3: IC1553-pin 25 (HZ input) V: 1V/div. (Input: VIDEO, Signal: Color-bar) CH1 CH2 H: 2msec/div. H: 50μsec/div. 96 CH2

43 ADDRESS ASSY ADR LOGIC BLOCK

3

CH1: IC1552-pin 18 (CLK input) CH2: IC1552-pin 16 (LE input) CH3: IC1552-pin 9 (DATA input) V: 1V/div. (Input: VIDEO, Signal: Color-bar) CH1 CH2 2msec/div. WANDAN WARANAMANAMANAMANA MANAMA CH1 H: 200nsec/div. CH1: IC1552-pin 23 (HBLK input) CH2: IC1552-pin 19 (LBLK input) CH3: IC1552-pin 25 (HZ input) V: 1V/div. (Input: VIDEO, Signal: Color-bar) CH1; CH2 2msec/div. CH1 CH2 ... 50μsec/div. СНЗ

60

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■ 5 3.3 VOLTAGES

• Voltages

CN5601 (D1)

No.	Signal Name	I/O	Signal Description	Voltages at NTSC Signal Input
1	+12V	I	+12V power input	+12VDC
2	+12V	ı	+12V power input	+12VDC
3	GND_D	_	GND	
4	GND_D	_	GND	
5	PD	0	Power down signal	0VDC
6	VSUS_ADJ	0	VSUS adjustment signal	
7	PS_PD	I	Power-down detecting signal of POWER SUPPLY block	OVDC
8	RELAY	0	Relay control signal	+3.3VDC
9	DRF	0	Drive control signal	OVDC
10	AC_DET	I	Primary side power (AC) state output at panel side	+3.0VDC
11	PD_TRIGGER	I	Power down trigger	+3.3VDC

CN5602 (D2)

No.	Signal Name	I/O	Signal Description	Voltages at NTSC Signal Input
1	VADR	- 1	Address drive power (+61V) input	+61VDC
2	VADR	ı	Address drive power (+61V) input	+61VDC
3	N.C		Not connected	
4	GND_ADR	_	GND	
5	GND_ADR	_	GND	
6	+6.5V	I	+6.5V power input	+6.8VDC
7	GND_D	_	GND	

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PDP-5004

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Α

В

POWER SUPPLY ASSY

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	R1 (CN7404)	Voltage	P8	
No.	Name	(V)	Name	No.
1	V+16.5V	16.7	V+16.5V	1
2	GND	0	GND	2
3	V+12V	12.9	V+12V	3
4	V+12V	12.9	V+12V	4
5	GND	0	GND	5
6	GND	0	GND	6
7	V+6.5V	6.8	V+6.5V	7
8	V+6.5V	6.8	V+6.5V	8
9	GND	0	GND	9
10	GND	0	GND	10
11	V+3V_STB	3.3	V+3V_STB	11
12	GND	0	GND	12
13	AC_DET	2.7	AC_DET	13

RGB ASSY

	$/ \cap$		

	R2 (CN6401)	Voltage	AV4 (CN8705)	
No.	Name	(V)	Name	No.
1	VD_SLOT	0	VD_SLOT	1
2	HD_SLOT	0	HD_SLOT	2
3	GNDD	0	GNDD	3
4	B_SLOT	0	B_SLOT	4
5	GNDD	0	GNDD	5
6	G_SLOT	0	G_SLOT	6
7	GNDD	0	GNDD	7
8	R_ SLOT	0	R_ SLOT	8
9	VD_IO	0	VD_IO	9
10	HD_ IO	5	HD_ IO	10
	R13 (CN6402)			
1	GNDD	0	GNDD	11
2	B_ IO	0	B_ IO	12
3	GNDD	0	GNDD	13
4	G_ IO	0	G_ IO	14
5	GNDD	0	GNDD	15
6	R_IO	0	R_IO	16

RGB ASSY

COMM SLOT I/F ASSY

R3 (CN7406)		Voltage	CS2 (CN8902)	
No.	Name	(V)	Name	No.
1	V+5V_STB	5.1	V+5V_STB	1
2	GND	0	GND	2
3	V+3V_STB	3.3	V+3V_STB	3
4	CYOBI1	3.3	CYOBI1	4
5	CYOBI2	0	CYOBI2	5
6	CYOBI3	0	CYOBI3	6
7	GND	0	GND	7
8	SR_OUT	4.9	SR_OUT	8
9	SLOT_ST_COM	3.3	SLOT_ST_COM	9
10	V+6V	6.8	V+6V	10
11	NC			

RGB ASSY

VIDEO SLOT I/F ASSY

R4 (CN7407)		Voltage	VS1 (CN8951)	
No.	Name	(V)		No.
1	GND	0	GND	1
2	GND	0	GND	2
3	V+13V	13.6	V+13V	3
4	V+13V	13.6	V+13V	4
5	V+12V	12.9	V+12V	5
6	V+12V	12.9	V+12V	6
7	GND	0	GND	7
8	V+3V_STB	3.3	V+3V_STB	8
9	GND	0	GND	9
10	V+3V_DD	3.3	V+3V_DD	10
11	V+3V_DD	3.3	V+3V_DD	11
12	GND	0	GND	12

RGB ASSY

DIGITAL VIDEO ASSY

	R5 (CN7408)	Voltage	D3 (CN5002)	
No.	Name	(V)	Name	No.
1	V+1V_DD	1.4	V+1V_DD	1
2	V+1V_DD	1.4	V+1V_DD	2
3	V+1V_DD	1.4	V+1V_DD	3
4	GND	0	GND	4
5	GND	0	GND	5
6	GND	0	GND	6
7	V+3V_DD	3.3	V+3V_DD	7
8	V+3V_DD	3.3	V+3V_DD	8
9	GND	0	GND	9
10	GND	0	GND	10
11	NC			
12	NC			

RGB ASSY

FAN (L), (R)

				,. ,
	R8 (CN7402)	Voltage	FAN (L)	
No.	Name	(V)	Name	No.
1	FAN_12V	0	FAN_12V	1
2	FAN_NG	3.2	FAN_NG	2
3	GND	0	GND	3
			FAN (R)	
4	FAN_12V	0	FAN_12V	1
5	FAN_NG	3.2	FAN_NG	2
6	GND	0	GND	3
7	NC			

RGB ASSY

TRAP SW (ASG1089)

	R6 (CN7204)	Voltage	TRAP SW (CN5801)	
No.	Name	(V)	Name	No.
1	TRAP_SW	3.3	TRAP_SW	1
2	NC	0	NC	2
3	3.3V	3.3	3.3V	3

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RGI	B ASSY			
	R9 (CN5701)			
No.	Name			
ΑV	I/O IF ASSY		AV I/O AS	SY
	CN2102, AV6 (CN2101)	Voltage	CN8705	
No.	Name	(V)	Name	No.
1	N.C.	0	N.C.	101
2	N.C.	0	N.C.	102
3	A_R_SLOT	6	A_R_SLOT	103
4	GND	0	GND	104
5	A_L_SLOT	6	A_L_SLOT	105
6	GND	0	GND	106
7	V+12V	12.9	V+12V	107
8	GND	0	GND	107
9	1N1_HD	4.4	1N1_HD	
		1		109
10	1N1_VD	0	1N1_VD	110
11	WE_ROM_B	0	WE_ROM_B	111
12	KEY	3.3	KEY	112
13	IO_YOBI2	3.2	IO_YOBI2	113
14	SR_OUT	5	SR_OUT	114
15	RXD_IF	3.3	RXD_IF	115
16	CLK_IF	3.3	CLK_IF	116
17	RXD_WR	3.3	RXD_WR	117
18	REQ_IF	0	REQ_IF	118
19	RST_IF	0	RST_IF	119
20	IF_CE	3.2	IF_CE	120
21	HOT_P1	0	HOT_P1	121
22	HDMI2_SDA	0	HDMI2_SDA	122
23	HDMI_INT1	3.2	HDMI_INT1	123
24	SCL_AV	3.3	SCL_AV	124
25	HDMI_AUDIO_CLK	3.2	HDMI_AUDIO_CLK	125
26	D_AUDIO_SEL	3.3	D_AUDIO_SEL	126
27	CEC2	0	CEC2	127
28	GND	0	GND	128
29	HD_DVI	0	HD_DVI	129
30	DE_DVI	0	DE_DVI	130
31	GND	0	GND	131
32	RB_DVI7	0/3.3	RB_DVI7	132
33	RB_DVI6	0/3.3	RB_DVI6	133
34	RB_DVI4	0/3.3	RB_DVI4	134
35	RB_DVI2	0/3.3	RB_DVI2	135
36	RB_DVI0	0/3.3	RB_DVI0	136
37	GB_DVI6	0/3.3	GB_DVI6	137
38	GB_DVI4	0/3.3	GB_DVI4	138
39	GB_DVI2	0/3.3	GB_DVI2	139
40	GB_DVI0	0/3.3	GB_DVI0	140
41	BB_DVI6	0/3.3	BB_DVI6	141
42	BB_DVI4	0/3.3	BB_DVI4	142
43	BB_DVI2	0/3.3	BB_DVI2	143
44	BB_DVI0	0/3.3	BB_DVI0	144
45	RA_DVI7	0/3.3	RA_DVI7	145
46	RA_DVI5	0/3.3	RA_DVI5	146
47	RA_DVI3	0/3.3	RA_DVI3	147
48	RA_DVI1	0/3.3	RA_DVI1	148
49	GND	0	GND	149
52	GA_DVI7	0/3.3	GA_DVI7	152
53	GA_DVI5	0/3.3	GA_DVI5	153
54	GA_DVI3	0/3.3	GA_DVI3	154
55	GA_DVI1	0/3.3	GA_DVI1	155
56	BA_DVI7	0/3.3	BA_DVI7	156
	5, _5 vii	0,0.0	5,7_5 411	.50

RGB ASSY

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No	R9 (CN5701)				
No.	Name	+			
AV	I/O IF ASSY		AV I/O ASS		
	CN2102, AV6 (CN2101)	Voltage	CN8705	_	
No.	Name	(V)	Name	N	
57	BA_DVI5	0/3.3	BA_DVI5	1	
58	BA_DVI3	0/3.3	BA_DVI3	1	
59	GND	0	GND	1	
60	V+5V_A2	5	V+5V_A2	1	
61	N.C.	0	N.C.	1	
62	N.C.	0	N.C.	1	
101	N.C.	0	N.C.	+	
102	N.C.	0	N.C.	+	
103	A_MUTE	0	A_MUTE	+	
104	TEMP3	0 - 3.3	TEMP3	+	
105	V+6V	6.8	V+6V	+	
106	GND	0	GND	+	
107	V+3V_A1	3.3	V+3V_A1	+	
108	GND	0	GND	+	
109	V+3V_UCOM	3.3	V+3V_UCOM	+	
110	GND V+3VSTB	3.3	GND	+	
111		0	V+3VSTB	+	
113	IO_YOBI1 PN2	0	IO_YOBI1 PN2	+	
114	ACTIVE	3.2	ACTIVE	+	
115	TXD_IF	3.3	TXD_IF	+	
116	TXD_IF	3.3	TXD_WR	+	
117	AC_DET	2.6	AC_DET	+	
118	IF_BUSY	0	IF_BUSY	+	
119	RESET	3.3	RESET	+	
120	HDMI_AUDIO_CE	3.3	HDMI_AUDIO_CE	+	
121	HOT_P2	3.3	HOT_P2	+	
122	HDMI2_SCL	3.3	HDMI2_SCL	+	
123	SDA AV	3.2	SDA_AV		
124	HDMI_INT2	3.2	HDMI INT2	1	
125	HDMI_AUDIO_TXD	3.3	HDMI_AUDIO_TXD	+:	
126	CEC1	0	CEC1	+:	
127	RESETX1	3.3	RESETX1	1	
128	VD_DVI	0	VD_DVI	1	
129	GND	0	GND	1	
130	CLK_DVI	0	CLK_DVI	1	
131	GND	0	GND	;	
132	GND	0	GND	;	
133	RB_DVI5	0/3.3	RB_DVI5	;	
134	RB_DVI3	0/3.3	RB_DVI3	;	
135	RB_DVI1	0/3.3	RB_DVI1	;	
136	GB_DVI7	0/3.3	GB_DVI7	- ;	
137	GB_DVI5	0/3.3	GB_DVI5	;	
138	GB_DVI3	0/3.3	GB_DVI3	;	
139	GB_DVI1	0/3.3	GB_DVI1	;	
140	GND	0	GND	4	
141	BB_DVI6	0/3.3	BB_DVI6	4	
142	BB_DVI4	0/3.3	BB_DVI4	4	
143	BB_DVI2	0/3.3	BB_DVI2	4	
144	BB_DVI0	0/3.3	BB_DVI0	4	
145	RA_DVI6	0/3.3	RA_DVI6	4	
146	RA_DVI4	0/3.3	RA_DVI4	4	
147	RA_DVI2	0/3.3	RA_DVI2	4	
148	RA_DVI0	0/3.3	RA_DVI0	-	

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R9 (CN5701) No. Name AV I/O IF ASSY AV I/O ASSY CN2102, AV6 (CN2101) CN8705 Voltage (V) No. No. Name Name 49 149 GND 0 GND 52 152 GA_DVI6 0/3.3 GA_DVI6 53 153 GA_DVI4 0/3.3 GA_DVI4 54 154 GA_DVI2 0/3.3 GA_DVI2 155 GA_DVI0 0/3.3 GA_DVI0 55 156 BA_DVI6 0/3.3 BA_DVI6 56 57 157 BA_DVI4 0/3.3 BA_DVI4 58 158 BA_DVI2 0/3.3 BA_DVI2 159 BA_DVI1 0/3.3 BA_DVI1 59 160 BA_DVI0 0/3.3 BA_DVI0 60 161 NC 0 NC 61

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RGB ASSY

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VIDEO SLOT I/F ASSY

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NC

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R11 (CN7410)		Voltage	VS3 (CN8955)			
No.	Name	(V)	Name	No.		
1	GND	0	GND	1		
2	KEY	3.3	KEY	2		
3	EMGREQ1_V	0	EMGREQ1_V	3		
4	EMGREQ2_V	0	EMGREQ2_V	4		
5	IC1V_OE	3.3	IC1V_OE	5		
6	RESETX1	3.3	RESETX1	6		
7	GND	0	GND	7		
8	SD_SEL	3.3	SD_SEL	8		
9	FNC2	0	FNC2	9		
10	FNC3	0	FNC3	10		
11	SOUND1	3.3	SOUND1	11		
12	GND	0	GND	12		
13	DSUBR	3.8	DSUBR	13		
14	GND	0	GND	14		
15	DSUBG	3.8	DSUBG	15		
16	GND	0	GND	16		
17	DSUBB	3.8	DSUBB	17		
18	GND	0	GND	18		
19	GND	0	GND	19		
20	IN5_HD	0	IN5_HD	20		
21	GND	0	GND	21		
22	SOUSA_X	3.3	SOUSA_X	22		
23	VYOBI1	0	VYOBI1	23		
24	VYOBI2	0	VYOBI2	24		
25	DSUBSW_DET	3.3	DSUBSW_DET	25		
26	GND	0	GND	26		
27	GND	0	GND	27		
28	GND	0	GND	28		
29	EMGREQ1_S	0	EMGREQ1_S	29		
30	EMGREQ2_S	0	EMGREQ2_S	30		
31	IC1S_OE	0	IC1S_OE	31		
32	SLOT_ST3	0.4	SLOT_ST3	32		
33	M_CHOICE	0	M_CHOICE	33		
34	SOUND2	0	SOUND2	34		
35	GND	0	GND	35		
36	GND	0	GND	36		
37	DSUBH	5	DSUBH	37		

RGB ASSY

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VIDEO SLOT I/F ASSY

	R11 (CN7410)	Voltage	VS3 (CN8955)	
No.	Name	(V)	Name	No.
38	GND	0	GND	38
39	GND	0	GND	39
40	DSUBV	0	DSUBV	40
41	GND	0	GND	41
42	GND	0	GND	42
43	IN5_VD	3.3	IN5_VD	43
44	GND	0	GND	44
45	GND	0	GND	45
46	HYOUJI_X	0	HYOUJI_X	46
47	VYOBI4	0	VYOBI4	47
48	VYOBI5	0	VYOBI5	48
49	VYOBI6	0	VYOBI6	49
50	WE_ROM_B	0	WE_ROM_B	50

RGB ASSY

VIDEO SLOT I/F ASSY

RGB ASSY R12 (CN7405)			VIDEO SLOT I/F VS4 (CN8953)	
No.	Name	Voltage (V)	Name	No
				+
1	GND	0	GND	1
2	GND	0	GND	2
3	G_SLOT	0	G_SLOT	3
4	GND	0	GND	4
5	B_SLOT	0	B_SLOT	5
6	GND	0	GND	6
7	R_SLOT	0	R_SLOT	7
8	GND	0	GND	8
9	HD_SLOT	0	HD_SLOT	9
10	GND	0	GND	10
11	VD_SLOT	0	VD_SLOT	11
12	GND	0	GND	12
13	AUDIO_L_SLOT	6	AUDIO_L_SLOT	13
14	GND	0	GND	14
15	AUDIO_R_SLOT	6	AUDIO_R_SLOT	15
16	GND	0	GND	16
17	SLOT_ST1	0	SLOT_ST1	17
18	S_DIN_SEL	0	S_DIN_SEL	18
19	FNC_1	0	FNC_1	19
20	FNC_0	5	FNC_0	20
21	NC	0	NC	21
22	NC	0	NC	22
23	VD_DET	0	VD_DET	23
24	GND	0	GND	24
25	HD_DET	0	HD_DET	25
26	GND	0	GND	26
27	VD_IC1	3.2	VD_IC1	27
28	GND	0	GND	28
29	HD_IC1	3	HD_IC1	29
30	GND	0	GND	30
31	GND	0	GND	31
32	RB0_IC1	0/3.3	RB0_IC1	32
33	RB1_IC1	0/3.3	 RB1_IC1	33
34	RB2_IC1	0/3.3	RB2_IC1	34
35	RB3 IC1	0/3.3	RB3_IC1	35
36	RB4_IC1	0/3.3	RB4_IC1	36
37	RB5_IC1	0/3.3	RB5_IC1	37

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VIDEO SLOT I/F ASSY

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	R12 (CN7405)	Voltage	VS4 (CN8953)	
No.	Name	(V)	Name	No.
38	RB6_IC1	0/3.3	RB6_IC1	38
39	RB7_IC1	0/3.3	RB7_IC1	39
40	GND	0	GND	40
41	GND	0	GND	41
42	GB0_IC1	0/3.3	GB0_IC1	42
43	GB1_IC1	0/3.3	GB1_IC1	43
44	GB2_IC1	0/3.3	GB2_IC1	44
45	GB3_IC1	0/3.3	GB3_IC1	45
46	GB4_IC1	0/3.3	GB4_IC1	46
47	GB5_IC1	0/3.3	GB5_IC1	47
48	GB6_IC1	0/3.3	GB6_IC1	48
49	GB7_IC1	0/3.3	GB7_IC1	49
50	GND	0	GND	50
51	GND	0	GND	51
52	BB0_IC1	0/3.3	BB0_IC1	52
53	BB0_IC1	0/3.3	BB1_IC1	53
54				54
	BB2_IC1 BB3_IC1	0/3.3	BB2_IC1 BB3_IC1	
55				55
56	BB4_IC1	0/3.3	BB4_IC1	56
57	BB5_IC1	0/3.3	BB5_IC1	57
58	BB6_IC1	0/3.3	BB6_IC1	58
59	BB7_IC1	0/3.3	BB7_IC1	59
60	GND	0	GND	60
61	GND	0	GND	61
62	GND	0	GND	62
63	SCL_VS	3.1	SCL_VS	63
64	GND	0	GND	64
65	SDA_VS	3.1	SDA_VS	65
66	GND	0	GND	66
67	GND	0	GND	67
68	GND	0	GND	68
69	NC	0	NC	69
70	GND	0	GND	70
71	NC	0	NC	71
72	GND	0	GND	72
73	NC	0	NC	73
74	GND	0	GND	74
75	NC	0	NC	75
76	NC	0	NC	76
77	IN4_DET	5	IN4_DET	77
78	IN3_DET	0	IN3_DET	78
79	SLOT_ST2	3	SLOT_ST2	79
80	SR_VS	5.1	SR_VS	80
81	NC	0	NC	81
82	3G4G	3.3	3G4G	82
83	GND	0	GND	83
84	GND	0	GND	84
85	IN5_DET	0	IN5_DET	85
86	GND	0	GND	86
87	DE_IC1	2.5	DE_IC1	87
88	GND	0	GND	88
89	CK_IC1	1.5	CK_IC1	89
90	GND	0	GND	90
91	GND	0	GND	91
92	BA7_IC1	0/3.3	BA7_IC1	92
93	BA6_IC1	0/3.3	BA6_IC1	93
94	BA5_IC1	0/3.3	BA5_IC1	94

RGB ASSY

VIDEO SLOT I/F ASSY

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	R12 (CN7405)	Voltage	VS4 (CN8953)	
No.	Name	(V)	Name	No.
95	BA4_IC1	0/3.3	BA4_IC1	95
96	BA3_IC1	0/3.3	BA3_IC1	96
97	BA2_IC1	0/3.3	BA2_IC1	97
98	BA1_IC1	0/3.3	BA1_IC1	98
99	BA0_IC1	0/3.3	BA0_IC1	99
100	GND	0	GND	100
101	GND	0	GND	101
102	GA7_IC1	0/3.3	GA7_IC1	102
103	GA6_IC1	0/3.3	GA6_IC1	103
104	GA5_IC1	0/3.3	GA5_IC1	104
105	GA4_IC1	0/3.3	GA4_IC1	105
106	GA3_IC1	0/3.3	GA3_IC1	106
107	GA2_IC1	0/3.3	GA2_IC1	107
108	GA1_IC1	0/3.3	GA1_IC1	108
109	GA0_IC1	0/3.3	GA0_IC1	109
110	GND	0	GND	110
111	GND	0	GND	111
112	RA7_IC1	0/3.3	RA7_IC1	112
113	RA6_IC1	0/3.3	RA6_IC1	113
114	RA5_IC1	0/3.3	RA5_IC1	114
115	RA4_IC1	0/3.3	RA4_IC1	115
116	RA3_IC1	0/3.3	RA3_IC1	116
117	RA2_IC1	0/3.3	RA2_IC1	117
118	RA1_IC1	0/3.3	RA1_IC1	118
119	RA0_IC1	0/3.3	RA0_IC1	119
120	GND	0	GND	120
121	GND	0	GND	121
122	GND	0	GND	122

AV I/O ASSY

AUDIO AMP ASSY

			710210711111 71001		
	AV1 (CN7601)	Voltage	AP2 (CN5001)		
No.	Name	(V)	Name	No.	
1	A_NG	3.2	A_NG	15	
2	TEMP3	0-3.3	TEMP3	14	
3	A_MUTE	0	A_MUTE	13	
4	ST_BY	2.5	ST_BY	12	
5	GND	0	GND	11	
6	V+6V	6.8	V+6V	10	
7	V+3V	3.3	V+3V	9	
8	V+12A	12	V+12A	8	
9	GND	0	GND	7	
10	-R_OUT	6	-R_OUT	6	
11	+R_OUT	6	+R_OUT	5	
12	GND	0	GND	4	
13	-L_OUT	6	-L_OUT	3	
14	+L_OUT	6	+L_OUT	2	
15	GND	0	GND	1	

AV I/O ASSY

KEY CONTROL ASSY

	AV2 (CN8702)	Voltage	KY1 (CN9001)	
No.	Name	Voltage (V)	Name	No.
1	GND	0	GND	1
2	KEY	3.3	KEY	2
3	V+3VSTB	3.3	V+3VSTB	3

AV I/O ASSY

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LED ASSY

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	AV3 (CN8703)	Voltage	KY1 (CN9651)	
No.	Name	(V)	Name	No.
1	V+3STB	3.3	V+3STB	1
2	LED_ G	0	LED_ G	2
3	LED_ R	3.3	LED_R	3
4	GND	0	GND	4
5	AC_ DET	2.6	AC_ DET	5

AV I/O ASSY

COMM SLOT I/F ASSY

	AV5 (CN8704)	Voltage	KY1 (CN8905)	
No.	Name	(V)	Name	No.
1	GND	0	GND	1
2	UART_SW	3.3	UART_SW	2
3	KEY	3.3	KEY	3
4	RXD	3.3	RXD	4
5	TXD	3.3	TXD	5
6	GND	0	GND	6

AUDIO AMP ASSY

POWER SUPPLY ASSY

	AP1 (CN5002)	Voltage	P6	
No.	Name	(V)	Name	No.
1	V+16R5	16.7	V+16R5	1
2	V+16R5	16.7	V+16R5	2
3	GNDP	0	GNDP	3
4	GNDP	0	GNDP	4
5	GNDP	0	GNDP	5
6	GNDP	0	GNDP	6

AUDIO AMP ASSY

SP TERMINAL R ASSY

	AP3 (CN5003)	Voltage	SP2 (CN9801)	
No.	Name	(V)	Name	No.
1	GND	0	GND	1
2	R+	5.3	R+	2
3	R-	5.2	R-	3
			SP TERMINAL L ASS	Ϋ́
			SP1 (CN9702)	
4	STBGND	0	STBGND	1
5	TEMP3	0-3.3	TEMP3	2
6	V+3VDD	3.3	V+3VDD	3
7	GND	0	GND	4
8	L+	5.3	L+	5
9	L-	5.2	L-	6

COMM SLOT I/F ASSY

3

IR ASSY

CS4 (CN8901)		Voltage	RE1 (CN4901)	
No.	Name	Voltage (V)	Name	No.
1	V+3STB	3.3	V+3STB	1
2	GND	0	GND	2
3	SR	0	SR	3
4	GND	0	GND	4

COMM SLOT I/F ASSY

COMM SLOT ASSY

1 NC 0 NC 2 IRSW 0 IRSW 3 IR_COMM_OUT 4.9 IR_COMM_IN 4 IR_COMM_IN 4.9 IR_COMM_IN 5 GND 0 GND 6 GND 0 GND 7 GND 0 GND 8 CYOBI3 0 CYOBI3 9 CYOBI2 0 CYOBI2 10 CSL_ST2 3.3 CSL_ST2 11 CSL_ST1 3.3 CSL_ST1 12 11 CSL_ST1 3.3 CSL_ST1 13 3 GSL_ST1 7 14 GND 0 GND 1 15 GND 0 GND 1 16 FIRST_RXD 3.3 FIRST_RXD 1 17 GET_UART 3.3 INT_EXT 1 18 INT_EXT 3.3 INT_EXT 1 18 <th colspan="5">COMM SLOT I/F ASSY COMM SLOT ASSY</th>	COMM SLOT I/F ASSY COMM SLOT ASSY				
1		CS5 (CN8904)	Voltage	CN9454	
2	No.	Name	(V)	Name	No.
3	1	NC	0	NC	1
4 IR_COMM_IN 4.9 IR_COMM_IN 5 GND 0 GND 6 GND 0 GND 7 GND 0 GND 8 CYOBI3 0 CYOBI3 9 CYOBI2 0 CYOBI2 10 CSL_ST2 3.3 CSL_ST2 11 CSL_ST1 3.3 CSL_ST1 12 3.3 CSL_ST1 3.3 14 GND 0 GND 3.3 15 GND 0 GND 3.3 16 FIRST_RXD 3.3 FIRST_RXD 3.3 17 GET_UART 3.3 GET_UART 3.3 18 INT_EXT 3.3 INT_EXT 3.3 19 RXD_CARD 0 RXD_CARD 3 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC3 2 22 GPC4 0	2	IRSW	0	IRSW	2
5 GND 0 GND 6 GND 0 GND 7 GND 0 GND 8 CYOBI3 0 CYOBI2 9 CYOBI2 0 CYOBI2 10 CSL_ST2 3.3 CSL_ST2 11 CSL_ST1 3.3 CSL_ST1 12 1 CSL_ST1 3.3 14 GND 0 GND 15 GND 0 GND 15 GND 0 GND 16 FIRST_RXD 3.3 FIRST_RXD 17 GET_UART 3.3 GET_UART 18 INT_EXT 3.3 INT_EXT 19 RXD_CARD 0 RXD_CARD 20 TXD_CARD 0 TXD_CARD 21 GPC5 0 GPC5 22 GPC4 0 GPC4 23 GPC3 0 GPC3 24 GPC2	3	IR_COMM_OUT	4.9	IR_COMM_OUT	3
6 GND 0 GND 0 GND 6 GND 6 GND 0 GND	4	IR_COMM_IN	4.9	IR_COMM_IN	4
7 GND 0 GND 8 CYOBI3 0 CYOBI3 9 CYOBI2 0 CYOBI2 10 CSL_ST2 3.3 CSL_ST2 1 11 CSL_ST1 3.3 CSL_ST1 1 12 14 GND 0 GND 15 GND 0 GND 16 FIRST_RXD 3.3 FIRST_RXD 16 FIRST_RXD 3.3 FIRST_RXD 17 GET_UART 3.3 FIRST_RXD 18 INT_EXT 3.3 INT_EXT 19 RXD_CARD 0 RXD_CARD 20 TXD_CARD 0 TXD_CARD 21 GPC5 0 GPC5 22 GPC4 0 GPC3 23 GPC3 0	5	GND	0	GND	5
8 CYOBI3 0 CYOBI2 9 CYOBI2 0 CYOBI2 10 CSL_ST2 3.3 CSL_ST2 11 CSL_ST1 3.3 CSL_ST1 12 1 1 1 13 1 GND 0 GND 15 GND 0 GND 1 16 FIRST_RXD 3.3 FIRST_RXD 1 17 GET_UART 3.3 GET_UART 1 18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC3 2 21 GPC5 0 GPC3 2 22 GPC4 0 GPC2 2 23 GPC3 0 GPC3 2 25<	6	GND	0	GND	6
9	7	GND	0	GND	7
10 CSL_ST2 3.3 CSL_ST2 1 11 CSL_ST1 3.3 CSL_ST1 1 12 13 14 GND 0 GND 15 GND 0 GND 16 FIRST_RXD 3.3 FIRST_RXD 17 GET_UART 3.3 GET_UART 18 INT_EXT 3.3 INT_EXT 19 RXD_CARD 0 RXD_CARD 20 TXD_CARD 0 TXD_CARD 21 GPC5 0 GPC5 22 GPC4 0 GPC3 23 GPC3 0 GPC2 24 GPC2 0 GPC2 25 GPC1 0 GPC1 2	8	CYOBI3	0	CYOBI3	8
11	9	CYOBI2	0	CYOBI2	9
12 13	10	CSL_ST2	3.3	CSL_ST2	10
13	11	CSL_ST1	3.3	CSL_ST1	11
14 GND 0 GND 1 15 GND 0 GND 1 16 FIRST_RXD 3.3 FIRST_RXD 1 17 GET_UART 3.3 FIRST_RXD 1 18 INT_EXT 3.3 INT_EXT 1 18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 RXD_CARD 2 21 GPC5 0 GPC5 2 21 GPC5 0 GPC4 2 22 GPC4 0 GPC3 2 24 GPC2 0 GPC3 2 25 GPC1 0 GPC1 2 25 GPC1 0 GPC2 2 25 GPC1 0 GPC2 2 25 GPC1 0 GPC2 2 25 GPC1	12				12
15 GND 0 GND 1 16 FIRST_RXD 3.3 FIRST_RXD 1 17 GET_UART 3.3 FIRST_RXD 1 18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 21 GPC5 0 GPC4 2 22 GPC4 0 GPC3 2 24 GPC2 0 GPC3 2 25 GPC1 0 GPC1 2 25 GPC1 0 GND 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP	13				13
16 FIRST_RXD 3.3 FIRST_RXD 1 17 GET_UART 3.3 GET_UART 1 18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 25 GPC1 0 GND 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_CO	14	GND	0	GND	14
17 GET_UART 3.3 GET_UART 1 18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC1 2 25 GPC1 0 GPC1 2 25 GPC1 0 GND 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 UART_SW 1 109 GND </td <td>15</td> <td>GND</td> <td>0</td> <td>GND</td> <td>15</td>	15	GND	0	GND	15
18 INT_EXT 3.3 INT_EXT 1 19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 109 GND 0 GND 1 110 GND	16	FIRST_RXD	3.3	FIRST_RXD	16
19 RXD_CARD 0 RXD_CARD 1 20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC1 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND	17	GET_UART	3.3	GET_UART	17
20 TXD_CARD 0 TXD_CARD 2 21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC1 2 25 GPC1 0 GPC1 2 101 NC 0 MC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0	18	INT_EXT	3.3	INT_EXT	18
21 GPC5 0 GPC5 2 22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 <td>19</td> <td>RXD_CARD</td> <td>0</td> <td>RXD_CARD</td> <td>19</td>	19	RXD_CARD	0	RXD_CARD	19
22 GPC4 0 GPC4 2 23 GPC3 0 GPC3 2 24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 115 V+6.5V 6.8	20	TXD_CARD	0	TXD_CARD	20
23 GPC3 0 GPC3 2 24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6	21	GPC5	0	GPC5	21
24 GPC2 0 GPC2 2 25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND <	22	GPC4	0	GPC4	22
25 GPC1 0 GPC1 2 101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND <t< td=""><td>23</td><td>GPC3</td><td>0</td><td>GPC3</td><td>23</td></t<>	23	GPC3	0	GPC3	23
101 NC 0 NC 1 102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB	24	GPC2	0	GPC2	24
102 GND 0 GND 1 103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 120 NC	25	GPC1	0	GPC1	25
103 GND 0 GND 1 104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC	101	NC	0	NC	101
104 GND 0 GND 1 105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC	102	GND	0	GND	102
105 TXD_PDP 3.3 TXD_PDP 1 106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC </td <td>103</td> <td>GND</td> <td>0</td> <td>GND</td> <td>103</td>	103	GND	0	GND	103
106 RXD_PDP 3.3 RXD_PDP 1 107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB	104	GND	0	GND	104
107 KEY_COMM_IN 3.3 KEY_COMM_IN 1 108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	105	TXD_PDP	3.3	TXD_PDP	105
108 UART_SW 3.3 UART_SW 1 109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	106	RXD_PDP	3.3	RXD_PDP	106
109 GND 0 GND 1 110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	107	KEY_COMM_IN	3.3	KEY_COMM_IN	107
110 GND 0 GND 1 111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	108	UART_SW	3.3	UART_SW	108
111 GND 0 GND 1 114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	109	GND	0	GND	109
114 V+6.5V 6.8 V+6.5V 1 115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	110	GND	0	GND	110
115 V+6.5V 6.8 V+6.5V 1 116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	111	GND	0	GND	111
116 GND 0 GND 1 117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	114	V+6.5V	6.8	V+6.5V	114
117 GND 0 GND 1 118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	115	V+6.5V	6.8	V+6.5V	115
118 V+3VSTB 3.3 V+3VSTB 1 119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	116	GND	0	GND	116
119 V+3VSTB 3.3 V+3VSTB 1 120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	117	GND	0	GND	117
120 NC 0 NC 1 121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	118	V+3VSTB	3.3	V+3VSTB	118
121 NC 0 NC 1 122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	119	V+3VSTB	3.3	V+3VSTB	119
122 NC 0 NC 1 123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	120	NC	0	NC	120
123 NC 0 NC 1 124 V+5VSTB 5 V+5VSTB 1	121	NC	0	NC	121
124 V+5VSTB 5 V+5VSTB 1	122	NC	0	NC	122
	123	NC	0	NC	123
10E V.EVCTD 5 V.EVCTD 4	124	V+5VSTB	5	V+5VSTB	124
ן ארסין ז ארסעסוש ן 1 ארסעסוא ן 1	125	V+5VSTB	5	V+5VSTB	125

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PDP-5004

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COMM SLOT I/F ASSY VIDEO SLOT I/F ASSY

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CS3 (CN8903)		Voltage	VS2 (CN8952)	
No.	Name	(V)	Name	No.
1	GND	0	GND	1
2	FIRST_RXD	3.3	FIRST_RXD	2
3	GET_UART	3.3	GET_UART	3
4	INT_EXT	3.3	INT_EXT	4
5	RXD_GU	0	RXD_GU	5
6	TXD_GU	0	TXD_GU	6
7	GPC5	0	GPC5	7
8	GPC4	0	GPC4	8
9	GPC3	0	GPC3	9
10	GPC2	0	GPC2	10
11	GPC1	0	GPC1	11

VIDEO SLOT I/E ASSY

VIDEO SLOT 2 ASSY

VIDEO SLOT I/F ASSY VIDEO SLOT				SSY
	VS5 (CN8954)	Voltage	CNIZOGO	
No.	Name	(V)	Name	No.
1	GND	0	GND	1
2	GND	0	GND	2
3	G_SLOT	0	G_SLOT	3
4	GND	0	GND	4
5	B_SLOT	0	B_SLOT	5
6	GND	0	GND	6
7	R_SLOT	0	R_SLOT	7
8	GND	0	GND	8
9	HD_SLOT	0	HD_SLOT	9
10	GND	0	GND	10
11	VD_SLOT	0	VD_SLOT	11
12	GND	0	GND	12
13	AUDIO_L_SLOT	6	AUDIO_L_SLOT	13
14	GND	0	GND	14
15	AUDIO_R_SLOT	6	AUDIO_R_SLOT	15
16	GND	0	GND	16
17	SLOT_ST1	0	SLOT_ST1	17
18	S_DIN_SEL	0	S_DIN_SEL	18
19	FNC_1	0	FNC_1	19
20	FNC_0	5	FNC_0	20
21	V+3.3V	3.2	V+3.3V	21
22	V+3.3V	3.2	V+3.3V	22
23	VD_DET	0	VD_DET	23
24	GND	0	GND	24
25	HD_DET	0	HD_DET	25
26	GND	0	GND	26
27	VD	0	VD	27
28	GND	0	GND	28
29	HD	0	HD	29
30	GND	0	GND	30
31	GND	0	GND	31
32	RB0_IC1	0/3.3	RB0_IC1	32
33	RB1_IC1	0/3.3	RB1_IC1	33
34	RB2_IC1	0/3.3	RB2_IC1	34
35	RB3_IC1	0/3.3	RB3_IC1	35
36	RB4_IC1	0/3.3	RB4_IC1	36
37	RB5_IC1	0/3.3	RB5_IC1	37
38	RB6_IC1	0/3.3	RB6_IC1	38
39	RB7_IC1	0/3.3	RB7_IC1	39
40	GND	0	GND	40
41	GND	0	GND	41
42	GB0_IC1	0/3.3	GB0_IC1	42

VIDEO SLOT I/F ASSY

VIDEO SLOT 2 ASSY

В

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	VS5 (CN8954)	V	VIDEO SLOT 2 ASS		
No.	Name	Voltage (V)	Name	No.	
	GB1 IC1			43	
43		0/3.3	GB1_IC1	43	
44	GB2_IC1	0/3.3	GB2_IC1		
45	GB3_IC1	0/3.3	GB3_IC1		
46	GB4_IC1	0/3.3	GB4_IC1	46	
47	GB5_IC1	0/3.3	GB5_IC1	47	
48	GB6_IC1	0/3.3	GB6_IC1	48	
49	GB7_IC1	0/3.3	GB7_IC1	49	
50		-		50	
51		-		51	
52	GND	0	GND	52	
53	GND	0	GND	53	
54	BB0_IC1	0/3.3	BB0_IC1	54	
55	BB1_IC1	0/3.3	BB1_IC1	55	
56	BB2_IC1	0/3.3	BB2_IC1	56	
57	BB3_IC1	0/3.3	BB3_IC1	57	
58	BB4_IC1	0/3.3	BB4_IC1	58	
59	BB5_IC1	0/3.3	BB5_IC1	59	
60	BB5_IC1	0/3.3	BB6_IC1	+	
61		0/3.3		60	
- +	BB7_IC1		BB7_IC1		
62	GND	0	GND	62	
63				63	
64				64	
65	GND	0	GND	65	
66	GND	0	GND	66	
67	KEY	3.3	KEY	67	
68	NC	0	NC	68	
69	TXD_CARD	0	TXD_CARD	69	
70	RXD_CARD	0	RXD_CARD	70	
71	INT_EXT	3.3	INT_EXT	71	
72	NC	0	NC	72	
73	EMGREQ1_V	0	EMGREQ1_V	73	
74	EMGREQ2_V	0	EMGREQ2_V	74	
75	IC1V_OE	3.3	IC1V_OE	75	
76	RESETX1	3.3	RESETX1	76	
77	NC	0	NC	77	
78	SD_SEL	3.3	SD_SEL	78	
79	FNC2	0	FNC2	79	
- 1			-	+ -	
80	FNC3	0	FNC3	80	
81	SOUND1	3.3	SOUND1	81	
82	GND	0	GND	82	
83	DSUBR	3.8	DSUBR	83	
84	GND	0	GND	84	
85	DSUBG	3.8	DSUBG	85	
86	GND	0	GND	86	
87	DSUBB	3.8	DSUBB	87	
88	GND	0	GND	88	
89	IN5_HD	0	IN5_HD	89	
90	SOUSA_X	3.3	SOUSA_X	90	
91	GPC1	0	GPC1	91	
92	GPC2	0	GPC2	92	
93	GPC5	0	GPC5	93	
94	VYOBI1	0	VYOBI1	94	
95	VYOBI2	0	VYOBI2	95	
-				+-	
96	DSUBSW_DET	3.3	DSUBSW_DET	96	
101	GND	0	GND	101	
102	GND	0	GND	102	
103	GND	0	GND	103	

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PDP-5004

VIDEO SLOT I/F ASSY

Α

В

VIDEO SLOT 2 ASSY

No. Name (V) 104 SCL_VS 3.1 SCL_VS 104 105 GND 0 GND 105 106 SDA_VS 3.1 SDA_VS 106 107 GND 0 GND 107 108 GND 0 GND 109 109 GND 0 GND 109 110 V+12V 12.9 V+12V 110 111 GND 0 GND 109 110 V+12V 12.9 V+12V 110 111 GND 0 GND 111 111 GND 0 GND 111 112 NC 0 NC 112 113 GND 0 GND 113 114 V+3.3STB 3.3 V+3.3STB 113 115 V+13.5 115 116 117 INA_DET 5 INA_DET		VS5 (CN8954)	V-4	CN7902	
104	No.	· ,	Voltage (V)		No.
105	\vdash		3.1		
106	<u> </u>				1
107	\vdash				-
108	\vdash				
109					
110	108	GND	0	GND	108
1111 GND 0 GND 111 112 NC 0 NC 112 113 GND 0 GND 113 114 V+3.9STB 3.3 V+3.3STB 114 115 V+13.5 13.6 V+13.5 115 116 V+13.5 13.6 V+13.5 116 117 IN4_DET 5 IN4_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 120 IR 5.1 IR 120 121 NC 0 NC 122 120 IR 5.1 IR 120 121 NC 0 NC 122 122 NC 0 NC 122 123 GND	109	GND	0	GND	109
112 NC 0 NC 112 113 GND 0 GND 113 114 V+3.3.STB 3.3 V+3.3STB 114 115 V+13.5 13.6 V+13.5 115 116 V+13.5 13.6 V+13.5 116 117 IN4_DET 5 IN4_DET 117 118 IN3_DET 0 INS_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 121 NC 0 NC 122 122 NC 0 NC 122 123 GND 0 GND 122 124 GND </td <td>110</td> <td>V+12V</td> <td>12.9</td> <td>V+12V</td> <td>110</td>	110	V+12V	12.9	V+12V	110
113 GND 0 GND 113 114 V+3.3STB 3.3 V+3.3STB 114 115 V+13.5 13.6 V+13.5 115 116 V+13.5 13.6 V+13.5 116 117 IN4_DET 5 IN4_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 INS_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 127 129 GND 0 GND 123 130 CLK 1.5 CLK 130 131 GND 0 GND 133 132 BA7_IC1 0/3.3 BA7_IC1 136 136 BA3_IC1 0/3.3 BA4_IC1 137 137 BA2_IC1 0/3.3 BA3_IC1 138 139 BA0_IC1 0/3.3 BA1_IC1 138 140 GND 0 GND 141 151 GND 0 GND 141 152 GA7_IC1 0/3.3 BA1_IC1 138 153 BA4_IC1 0/3.3 BA1_IC1 138 154 GA7_IC1 0/3.3 BA1_IC1 138 155 GA4_IC1 0/3.3 BA1_IC1 138 156 GA7_IC1 0/3.3 BA1_IC1 138 157 BA2_IC1 0/3.3 BA1_IC1 138 158 BA1_IC1 0/3.3 BA1_IC1 138 159 BA1_IC1 0/3.3 GA7_IC1 144 150 GA7_IC1 0/3.3 GA7_IC1 144 151 GND 0 GND 140 152 GA7_IC1 0/3.3 GA7_IC1 144 154 GA7_IC1 0/3.3 GA7_IC1 144 155 GA4_IC1 0/3.3 GA3_IC1 144 156 GA3_IC1 0/3.3 GA3_IC1 144 157 GA2_IC1 0/3.3 GA3_IC1 144 158 GA1_IC1 0/3.3 GA3_IC1 144 159 GA1_IC1 0/3.3 GA3_IC1 144 150 GA1_IC1 0/3.3 GA3_IC1 144 151 GND 0 GND 141 152 GA7_IC1 0/3.3 GA3_IC1 144 155 GA4_IC1 0/3.3 GA3_IC1 144 155 GA4_IC1 0/3.3 GA3_IC1 144 156 GA3_IC1 0/3.3 GA3_IC1 144 157 GA2_IC1 0/3.3 GA3_IC1 144 158 GA1_IC1 0/3.3 GA3_IC1 144 159 GA1_IC1 0/3.3 GA3_IC1 144 150 GA1_IC1 0/3.3 GA3_IC1 144 151 GAD 0 GND 140 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 GA3_IC1 145 155 RA6_IC1 0/3.3 GA3_IC1 146 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA3_IC1 155 158 RA4_IC1 0/3.3 RA3_IC1 155 159 RA4_IC1 0/3.3 RA3_IC1 155 150 RA4_IC1 0/3.3 RA3_IC1 155 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA3_IC1 155 156 RA4_IC1 0/3.3 RA3_IC1 155 157 RA4_IC1 0/3.3 RA3_IC1 155 158 RA3_IC1 0/3.3 RA3_IC1 155 159 RA4_IC1 0/3.3 RA3_IC1 155 159 RA4_IC1 0/3.3 RA3_IC1 155	111	GND	0	GND	111
114 V+3,3STB 3,3 V+3,5TB 114 115 V+13,5 13,6 V+13,5 115 116 V+13,5 13,6 V+13,5 116 117 INA_DET 5 INA_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 120 IR 5.1 IR 120 121 NC 0 NC 122 120 IR 5.1 IR 120 121 NC 0 NC 122 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 122 125 3G4G 3.3 3G4G 125 126 <td< td=""><td>112</td><td>NC</td><td>0</td><td>NC</td><td>112</td></td<>	112	NC	0	NC	112
115 V+13.5 13.6 V+13.5 115 116 V+13.5 13.6 V+13.5 116 117 INA_DET 5 INA_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 120 IR 5.1 IR 120 121 NC 0 NC 121 120 IR 5.1 IR 120 121 NC 0 NC 122 122 NC 0 NC 122 122 NC 0 GND 123 122 GND 0 GND 122 123 GAG 3.3 3G4G 125 124 GND 0 GND 127 128 DE	113	GND	0	GND	113
116 V+13.5 13.6 V+13.5 116 117 INA_DET 5 INA_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 122 GND 0 GND 124 4 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND	114	V+3.3STB	3.3	V+3.3STB	114
117 INA_DET 5 INA_DET 117 118 IN3_DET 0 IN3_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 123 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND	115	V+13.5	13.6	V+13.5	115
118 INS_DET 0 INS_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 123 125 3G4G 3.3 3G4G 125 126 INS_DET 0 INS_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 121 132 BAA_LIC1	116	V+13.5	13.6	V+13.5	116
118 INS_DET 0 INS_DET 118 119 SLOT_ST2 3 SLOT_ST2 119 120 IR 5.1 IR 120 121 NC 0 NC 121 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 123 125 3G4G 3.3 3G4G 125 126 INS_DET 0 INS_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 121 132 BAA_LIC1	117	IN4 DET	5	IN4 DET	117
119	\vdash				-
120	\vdash				-
121 NC 0 NC 121 122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA6_IC1 132 133 BA6_IC1 0/3.3 BA5_IC1 133 134 BA5_IC1 0/3.3 BA4_IC1 133 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA4_IC1 135 1	\vdash				1
122 NC 0 NC 122 123 GND 0 GND 123 124 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA6_IC1 133 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA4_IC1 136 137 BA2_IC1 0/3.3 BA4_IC1 133	\vdash				
123 GND 0 GND 123 124 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA5_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA1_IC1 138 140 GND 0 GND 141 151 GND 0 GND 141 152 GA7_IC1 0/3.3 GA7_IC1 142 154 GA7_IC1 0/3.3 GA3_IC1 146 155 GA4_IC1 0/3.3 GA3_IC1 146 156 GA3_IC1 0/3.3 GA1_IC1 145 157 GA2_IC1 0/3.3 GA1_IC1 145 158 GA1_IC1 0/3.3 GA1_IC1 145 159 GND 0 GND 150 150 GND 150 151 GAA_IC1 0/3.3 GA1_IC1 145 155 GA4_IC1 0/3.3 GA1_IC1 146 156 GA1_IC1 0/3.3 GA1_IC1 146 157 GA2_IC1 0/3.3 GA1_IC1 146 158 GA1_IC1 0/3.3 GA1_IC1 146 159 GA1_IC1 0/3.3 GA1_IC1 146 150 GA1_IC1 0/3.3 GA1_IC1 146 150 GA1_IC1 0/3.3 GA1_IC1 146 151 GA1_IC1 0/3.3 GA1_IC1 146 152 GND 0 GND 152 153 GND 0 GND 153 154 GA7_IC1 0/3.3 RA5_IC1 155 156 GA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA3_IC1 156 158 RA3_IC1 0/3.3 RA3_IC1 156 159 RA2_IC1 0/3.3 RA3_IC1 156	\vdash				1
124 GND 0 GND 124 125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA6_IC1 133 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 1					-
125 3G4G 3.3 3G4G 125 126 IN5_DET 0 IN5_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA4_IC1 135 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA4_IC1 135 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1	123	GND	0	GND	123
126 INS_DET 0 INS_DET 126 127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA4_IC1 135 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA2_IC1 135 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND	124	GND	0	GND	124
127 GND 0 GND 127 128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA6_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA5_IC1 135 136 BA3_IC1 0/3.3 BA4_IC1 135 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 137 139 BA0_IC1 0/3.3 BA1_IC1 138 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 1	125	3G4G	3.3	3G4G	125
128 DE 2.5 DE 128 129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 137 139 BA0_IC1 0/3.3 BA0_IC1 138 140 GND 0 GND 140 141 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA6_IC1 1	126	IN5_DET	0	IN5_DET	126
129 GND 0 GND 129 130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 137 139 BA0_IC1 0/3.3 BA0_IC1 138 140 GND 0 GND 140 141 GND 0 GND 140 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA	127	GND	0	GND	127
130 CLK 1.5 CLK 130 131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 137 139 BA0_IC1 0/3.3 BA0_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3	128	DE	2.5	DE	128
131 GND 0 GND 131 132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 137 139 BA0_IC1 0/3.3 BA0_IC1 138 140 GND 0 GND 140 141 GND 0 GND 140 144 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA5_IC1 143 144 GA5_IC1 0/3.3 GA4_IC1 144 145 GA4_IC1 0/3.3	129	GND	0	GND	129
132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA5_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3	130	CLK	1.5	CLK	130
132 BA7_IC1 0/3.3 BA7_IC1 132 133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA5_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3	131	GND	0	GND	131
133 BA6_IC1 0/3.3 BA6_IC1 133 134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA2_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 140 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1					
134 BA5_IC1 0/3.3 BA5_IC1 134 135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA6_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1					
135 BA4_IC1 0/3.3 BA4_IC1 135 136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA2_IC1 147 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150	\vdash				
136 BA3_IC1 0/3.3 BA3_IC1 136 137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA3_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA2_IC1 147 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 </td <td>\vdash</td> <td></td> <td></td> <td></td> <td></td>	\vdash				
137 BA2_IC1 0/3.3 BA2_IC1 137 138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA2_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 <td>\vdash</td> <td></td> <td></td> <td></td> <td></td>	\vdash				
138 BA1_IC1 0/3.3 BA1_IC1 138 139 BA0_IC1 0/3.3 BA0_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA2_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA2_IC1 147 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153	\vdash			_	
139 BAO_IC1 0/3.3 BAO_IC1 139 140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154	\vdash				
140 GND 0 GND 140 141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155	\vdash				
141 GND 0 GND 141 142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 <td>139</td> <td>BA0_IC1</td> <td>0/3.3</td> <td>BA0_IC1</td> <td>139</td>	139	BA0_IC1	0/3.3	BA0_IC1	139
142 GA7_IC1 0/3.3 GA7_IC1 142 143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 </td <td>140</td> <td>GND</td> <td>0</td> <td>GND</td> <td>140</td>	140	GND	0	GND	140
143 GA6_IC1 0/3.3 GA6_IC1 143 144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 </td <td>141</td> <td>GND</td> <td>0</td> <td>GND</td> <td>141</td>	141	GND	0	GND	141
144 GA5_IC1 0/3.3 GA5_IC1 144 145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159 </td <td>142</td> <td>GA7_IC1</td> <td>0/3.3</td> <td>GA7_IC1</td> <td>142</td>	142	GA7_IC1	0/3.3	GA7_IC1	142
145 GA4_IC1 0/3.3 GA4_IC1 145 146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	143	GA6_IC1	0/3.3	GA6_IC1	143
146 GA3_IC1 0/3.3 GA3_IC1 146 147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	144	GA5_IC1	0/3.3	GA5_IC1	144
147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	145	GA4_IC1	0/3.3	GA4_IC1	145
147 GA2_IC1 0/3.3 GA2_IC1 147 148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	146	GA3_IC1	0/3.3	GA3_IC1	146
148 GA1_IC1 0/3.3 GA1_IC1 148 149 GA0_IC1 0/3.3 GA0_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	147	GA2_IC1		GA2_IC1	
149 GAO_IC1 0/3.3 GAO_IC1 149 150 150 150 150 151 151 151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash				
150	\vdash				
151 151 152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash	3. 3_101	5,5.0	<u> </u>	
152 GND 0 GND 152 153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash				\vdash
153 GND 0 GND 153 154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash	CND		CND	\vdash
154 RA7_IC1 0/3.3 RA7_IC1 154 155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash				
155 RA6_IC1 0/3.3 RA6_IC1 155 156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159					
156 RA5_IC1 0/3.3 RA5_IC1 156 157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	\vdash				-
157 RA4_IC1 0/3.3 RA4_IC1 157 158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	155	RA6_IC1	0/3.3		155
158 RA3_IC1 0/3.3 RA3_IC1 158 159 RA2_IC1 0/3.3 RA2_IC1 159	156	RA5_IC1	0/3.3	RA5_IC1	156
159 RA2_IC1 0/3.3 RA2_IC1 159	157	RA4_IC1	0/3.3	RA4_IC1	157
	158	RA3_IC1	0/3.3	RA3_IC1	158
160 RA1_IC1 0/3.3 RA1_IC1 160	159	RA2_IC1	0/3.3	RA2_IC1	159
	160	RA1_IC1	0/3.3	RA1_IC1	160

VIDEO SLOT I/F ASSY VIDEO SLOT 2 ASSY

	VS5 (CN8954)	Voltage	CN7902	
No.	Name	(V)	Name	No.
161	RA0_IC1	0/3.3	RA0_IC1	161
162	GND	0	GND	162
163				163
164				164
165	GND	0	GND	165
166	GND	0	GND	166
167	VSEPSCL	3.3	VSEPSCL	167
168	VSEPSDA	3.3	VSEPSDA	168
169	NC	0	NC	169
170	GET_UART	3.3	GET_UART	170
171	FIRST_RXD	3.3	FIRST_RXD	171
172	NC	0	NC	172
173	EMGREQ1_S	0	EMGREQ1_S	173
174	EMGREQ2_S	0	EMGREQ2_S	174
175	IC1S_OE	0	IC1S_OE	175
176	NC	0	NC	176
177	NC	0	NC	177
178	NC	0	NC	178
179	SLOT_ST3	0.4	SLOT_ST3	179
180	M_CHOICE	0	M_CHOICE	180
181	SOUND2	0	SOUND2	181
182	GND	0	GND	182
183	GND	0	GND	183
184	DSUBH	5	DSUBH	184
185	GND	0	GND	185
186	DSUBV	0	DSUBV	186
187	GND	0	GND	187
188	GND	0	GND	188
189	IN5_VD	3.3	IN5_VD	189
190	HYOUJI_X	0	HYOUJI_X	190
191	GPC3	0	GPC3	191
192	GPC4	0	GPC4	192
193	NC	0	NC	193
194	VYOBI4	0	VYOBI4	194
195	VYOBI5	0	VYOBI5	195
196	VYOBI6	0	VYOBI6	196

KEY CONTROL ASSY

FRONT KEY ASSY

	KY2 (CN9002)		KY4 (CN9400)	
No.	Name	Voltage (V)	Name	No.
1	D7	0/3.3	D7	1
2	D6	0/3.3	D6	2
3	D5	0/3.3	D5	3
4	G0	0/3.3	G0	4
5	G1	0/3.3	G1	5
6	G2	0/3.3	G2	6

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PDP-5004

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

 Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{1} \rightarrow 5621$ RN1/4PC 5 6 2 1 F

Mark No. Description Part No. LIST OF ASSEMBLIES for PDP-5004, PDP-5014 models

NSP	150 ADDRESS ASSY	AWV2121
NSP	250 ADDRESS ASSY	AWZ6839
NSP	150 SCAN FUKUGO ASSY	AWV2036
NSP	250 SCAN A ASSY	AW76809
NSP	250 SCAN A ASSY 250 SCAN B ASSY	AWZ6809 AWZ6810
NSP	2X CONNECTOR A ASSY	AWZ6811
NSP	2X CONNECTOR B ASSY	AWZ6812
NSP	150 X DRIVE ASSY	AWV2143
	2PANEL SENSOR ASSY	AWZ6795
	250 X DRIVE ASSY	AWZ6959
	150 Y DRIVE ASSY	AWV2144
	150 1 DRIVE A551	AVV V 2 1 4 4
NSP	1CM RGB ASSY	AWV2150
	2RGB ASSY	AWZ6961
NSP	1CMS FUKUGO ASSY(PDP-5004	\
NSP		
NSP	2AUDIO AMP ASSY	AWZ6848
		AWZ6851
		AWZ6855
		AWZ6856
	2SP TERMINAL R ASSY	AWZ6857
	2COVER ASSY	AWZ6858
	2AV I/O I/F ASSY	AWZ6859
	2COMM SLOT I/F ASSY	AWZ6964
	2LED ASSY	AWZ6966
	2AV I/O ASSY (PDP-5004)	AWZ6967
	2AV I/O ASSY (PDP-5014)	AWZ6971
	2COMM SLOT ASSY	AWZ6968
	2KEY CONTROL ASSY	AWZ6969
	2FRONT KEY ASSY	AWZ6970
	1DIGITAL VIDEO ASSY	AWV2100

1..VIDEO SLOT2 ASSY

Mark No. Description Part No. LIST OF ASSEMBLIES for PDP-4304, PDP-4314 models

	143 ADDRESS ASSY 243 ADDRESS ASSY	AWV2120 AWZ6793
NSP	143 SCAN FUKUGO ASSY	AWV2023
NSP	243 SCAN A ASSY	AWZ6796
	243 SCAN B ASSY	AWZ6797
	2X CONNECTOR A ASSY	AWZ6798
	2X CONNECTOR B ASSY	
NSP	143 X DRIVE ASSY	AWV2021
	2PANEL SENSOR ASSY	AWZ6795
	243 X DRIVE ASSY	AWZ6840
	143 Y DRIVE ASSY	AWV2022
NSP	1CM RGB ASSY	AWV2150
	2 DCB ASSV	AWZ6961
NSP NSP		AWV2100
	1VIDEO SLOT2 ASSY	AWV2159

CONTRAST OF PCB ASSEMBLIES

AV I/O ASSY

Mark	No. Description	AWZ6967	AWZ6971
	[IF UCOM BLOCK]		
	R8743	RS1/16S103J	Not used
	R8744	Not used	RS1/16S103J

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В

AWV2159

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	PCB PARTS LIST for PDP-5004, PDP-5014 models							
	Mark No. Description 50 ADDRESSASSY	Part No.		Description , C3034, C3035	Part No. ACG1088			
Α	[50 ADR LOGICBLOCK] SEMICONDUCTORS		(0.1microF/2 C3045, C3046 (0.1microF/2	, C3056, C3057	ACG1088			
	IC1501 COILS AND FILTERS	PEE001B		, C3016, C3019, C3026 , C3040, C3048, C3051	CCSRCH101J50 CCSRCH101J50			
	F1501-F1503	ATF1194	C3060, C3063 C3004		CCSRCH101J50 CCSRCH151J50			
	CAPACITORS		C3007, C3018	, C3033, C3044, C3050	CCSRCH181J50			
	C1553, C1556, C1559, C1560, C1563		C3062	, C3017, C3022	CCSRCH181J50 CCSRCH331J50			
	C1501, C1502 C1503-C1507, C1552, C1555, C1558	ACH1357 CKSSYF104Z16	03000, 03011	, 00017, 00022	00011011001100			
	C1561, C1564	CKSSYF104Z16		, C3042, C3043, C3049				
В			C3055, C3061		CCSRCH331J50			
	<u>RESISTORS</u>			, C3020, C3021, C3028 , C3041, C3053, C3054				
	R1510, R1519, R1522, R1526	RAB4C470J	C3064, C3065		CCSRCH390J50			
	R1513-R1518 R1505-R1509	RS1/16SS470J RS1/16SS1000F						
	Other Resistors	RS1/16S###J	C3003, C3014 C3058	, C3025, C3036, C3047	CKSRYB105K6R3 CKSRYB105K6R3			
-	<u>OTHERS</u>		RESISTORS					
	CN1501 40P FFC CONNECTOR	AKM1215		, R3017, R3025, R3030	RAB4C221J			
			R3036		RAB4C221J			
	[50 ADR RESONANCE BLOCK]		Other Resistor	S	RS1/16S###J			
С	SEMICONDUCTORS		OTHERS					
-	IC1601-IC1603	TND304S	CN3001 15P C	CONNECTOR	AKP1218			
	Q1604 Q1601	2SA1163 HAT1081R	·	, K3009, K3015, K3017	AKX9002			
	Q1602, Q1603	HAT3019R	TEST PIN K3019, K3021	TEST DIN	AKX9002			
	D1601	1SS302	10019, 10021	TEST IIII	A1003002			
	D1608, D1609, D1617, D1618	EC10UA20						
	D1610, D1611, D1616, D1619, D1620 D1604, D1612	MA126	50 SCA	N B ASSY				
	D1602, D1606, D1607, D1614, D1615		SEMICONDU	ICTORS				
	D1621, D1622	UDZS24B	IC3201-IC3206	5	AN16003A			
_	COILS AND FILTERS		D3201		KU10N16			
D	L1601, L1602	ATH1135	CAPACITORS	S				
	21001, 21002	7.1111100		, C3212, C3222, C3223	ACG1088			
	<u>CAPACITORS</u>		(0.1microF/25	- /				
	C1609, C1615 (0.47microF)	ACE1172	C3233, C3234 (0.1microF/25	, C3244, C3245	ACG1088			
	C1605, C1607, C1608, C1613, C1614 (0.01microF/100V)	ACG1101	C3255, C3256	,	ACG1088			
	C1618	ACH1357	(0.1microF/25					
	C1603 (47microF/16V)	ACH1391		, C3214, C3215, C3226 , C3239, C3247, C3251	CCSRCH101J50 CCSRCH101J50			
	C1601, C1602 (56microF/80V)	ACH1405						
	C1604, C1606, C1612	CKSSYF104Z16	C3258, C3259 C3262		CCSRCH101J50			
Е	DECISTORS			. C3232. C3243. C3249	CCSRCH151J50 CCSRCH181J50			
	RESISTORS R1631	ACN1174	C3261	, 00_0_, 00_ 10, 00_ 10	CCSRCH181J50			
	R1633	RS1/16S1202F	C3205, C3210	, C3216, C3221	CCSRCH331J50			
	R1632	RS1/16S1502F	C3230 C3231	, C3241, C3242, C3248	CCSBCH331.J50			
	Other Resistors	RS1/16S###J	C3254, C3260		CCSRCH331J50			
				, C3219, C3220, C3227				
				, C3240, C3252, C3253				
	50 SCAN A ASSY		C3263, C3264		CCSRCH390J50			
	<u>SEMICONDUCTORS</u>		C3202, C3213	, C3224, C3235, C3246	CKSRYB105K6R3			
	IC3001-IC3006	AN16003A	C3257		CKSRYB105K6R3			
F	D3001	KU10N16	RESISTORS					
	CAPACITORS			, R3216, R3224, R3229	BAB4C221.I			
	C3001, C3002, C3012, C3013	ACG1088	R3235	,	RAB4C221J			
	(0.1microF/250V)		Other Resistor	S	RS1/16S###J			
	70	PD	P-5004					
-	1 -	2	2		1			

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Mark No.	<u>Description</u>	Part No.		Mark No.		Description	Part No.		
OTHERS	D 00111:2072	ALCDICIO		DECIOTOR					
	P CONNECTOR 08, K3214, K3216, K3218	AKP1218 AKX9002		RESISTOR R1116, R11			RS1/10S1003F		
TEST PIN		AICKGOOZ		R1133, R11		R1145	RS1/10S1003I		Α
K3220, K32	21 TEST PIN	AKX9002				R1110, R1111	RS1/10S2R2J		
					119, F	R1123, R1126, R1153			
				R1136			RS1/16S1202F		
x co	NNECTOR A ASS	SY		R1139			RS1/16S3301F		
	has no service part.			R1130			RS1/16S5601F		
•	·			R1134 R1113, R11	120		RS1/16S8201F RS1MMF101J		
V 00		27		VR1101-VF		1	CCP1390		
	NNECTOR B ASS	ΣΥ							
This assembly	has no service part.			Other Resis	stors		RS1/16S###J		
				OTHERS					В
				3301 SPAC	ER		AEH1075		
	DRIVE ASSY			3501 SCR	EW		PMH30P080FMC		
[50 X LOGIC									
SEMICONE	DUCTORS			[50 X SUS E	si O	nk1			
IC1002 IC1001		TC74ACT540FT TC74ACT541FT		SEMICONI					
IC1001		TC74VHC08FT		IC1202		<u> </u>	HCPL-M611		_
				IC1205			NJM2872F05		
CAPACITO	RS			IC1203, IC1	1207		STK795-512		
C1001 C1002-C100	24	CEHAT470M25 CKSRYB104K16		IC1208 IC1204, IC1	1206		TLP181(P-GR) TND301S		
C 1002-C 100	J4	CKSHYB104K16		101204, 101	1200		11400010		С
RESISTOR	S			Q1207			2SC2412K		O
R1001, R10		RAB4C470J		Q1203			2SD1898		
R1003, R10	04, R1007	RAB4C472J		Q1302 Q1301			2SJ522 2SK2503		
OTHERS				Q1205			2SK3116-Z		
	P FFC CONNECTOR	AKM1218		0			DT0 / 0 / E1 /		
0111001 00		7114071210		Q1206, Q12 Q1201	208		DTC124EK HN1B04FU		
				D1212			1SS302		
	NANCE BLOCK]			D1211, D12		D1216	1SS355		
SEMICONE IC1103	<u>JUCTURS</u>	BA10393F		D1201, D12	207		EC10QS04		
IC1103	102	TND506MD		D1204, D13	301		EC11FS4		D
Q1113		2SC2412K		D1214			EC8FS6		D
	03, Q1111, Q1112	2SK3560		D1208			UDZS5.6B		
Q1105, Q11	06, Q1108, Q1109	2SK3723		COILS ANI	D EI	LTEDO			
Q1101, Q11	04, Q1107, Q1110	CPH5506		L1204, L120		LIENS	ATH1112		
D1109, D11		1SS302		L1202	00		LFEA100J		
D1131, D11	32 02, D1104, D1105	1SS355 EC11FS4		L1203, L120	06		LFEA470J		_
	02, D1104, D1105 08, D1111, D1114-D1117	EC11FS4		CADACITO	DC				
,	,,			CAPACITO		C1227-C1230	ACE1163		
	21, D1127, D1128	EC11FS4		C1233	.17, C	71227-01200	ACE1169		
D1103, D11 D1113, D11	18, D1124, D1125, D1130	FCU20A30 RF2001T3D		C1244			ACE1170		Е
D1110, D11		UDZS16B		C1209 (0.1r		F/630V)	ACG1092		_
				C1219, C12	152		ACH1358		
COILS AND		ATI 14440		C1224			CEHAT101M16		
L1103, L110 L1104)5	ATH1119 ATH1155		C1301			CEHAT221M25		
L1104		ATH1156		C1203, C12 C1238, C12		C1210, C1220, C1223	CEHAT470M25 CEHAT470M25		
L1101		LFEA470J		C1235, C12	209		CKSRYB102K50		
CADACITO	De								
CAPACITO	<u>RS</u> 14, C1125-C1127	ACE1168				C1240, C1241, C1243			
	14, C1125-C1127 24 (100pF/630V)	ACE 1168 ACG1104		U1202, U12	٤٥٥, (C1206, C1212, C1302	CKSRYF104Z50		
·	19 (0.1microF/630V)	ACG1108		RESISTOR	S				_
	05, C1116, C1117	CCSRCH331J50		R1230			ACN1166		F
C1128, C11 C1102, C11		CKSRYB104K16 CKSRYB105K6R3		R1208, R13	321, F	R1322	ACN1174		
	08, C1115, C1122	CKSYB105K25		R1304			ACN1195		
,	. ,		DDD 1	5004				71	
-	5	6	PDP-5	7004	7	_	8		-
		-					-		

Mark No. Description	1	_	2		3	-	4
R100, R102c, R1031	Mark No.	<u>Description</u>	Part No.	<u> </u>	Mark No.	Description	Part No.
R128, R1261 R51MMF331 R52MMF321 R5		314			R1076, R1078		
MINISTRANCES MINI	R1235, R1236		RS2MMF121J				N3 1/103###J
Carrier Carr	KN1201-KN1205,		ANK-142		[50 Y LOGIC BLOSEMICONDUC	OCK]	
SEMICONDUCTORS C2001	CN1201 12P TOP	POST	B12B-EH		IC2001, IC2003 IC2005		TC74ACT541FT TC74VHC08FT
CAPACITORS	SEMICONDUCT						
C-1401 C-1403					CAPACITORS		
Carror C							
D1404 D1407 D1403 D1256.6B D1256.6	Q1401		2SA1037K				
D1404 D1407 D1403 D1256.6B D1256.6	D1407 D1400		F011F00		RESISTORS		
D1401, D1403	· ·						RAB4C102J
COILS AND FILTERS Other Resistors RS1/16S##J L1401 T1401 ATH1110 ATK1163 OTHERS CN2001 AKM1201 CAPACITORS C1401, C1402 ACH1361 SEMICONDUCTORS C1404 CEHAT101M65 SEMICONDUCTORS C1409 CEHAT31M16 IC2211 BA10393F C1409 CH403, C1407, C1408, C1411 CKSRYB104K16 IC2202 TD566MD C1406 CKSRYF104Z50 Q2202, Q2210, Q2220, Q2214 25K3560 C2205, Q2206, Q2208, Q2209 25K3723 25K3723 RESISTORS R1405, R1406, R1408-R1410, R1414 RS1/16S1101F D2209, D2220, Q2210, Q2210, Q2210 CPH5506 R1403 RS1/16S7702F D2209, D2223 1SS302 R1404 RS1/16S7701F D22020-D2205, D2207, D2208 EC11FS4 R1417 RS1/16S7500F D2213, D2214, D2219, D2222 EC11FS4 VP1401 CCP1390 D2226, D2227 D2218, D2219, D2229 EC11FS4 Other Resistors RS1/16S###J D2201, D2206, D2211, D2220, D2299 FC0120A30 RF2							
CAPACITORS	COILS AND FIL	TERS				, , , ,	RS1/16S###J
C1401, C1402							AKM1201
C1404							
C1405	,				[50 Y RESONAN	CE BLOCK]	
C1403, C1407, C1408, C1411							
C213 25C2412K C1406 CKSRYF104Z50 Q2202, Q2211, Q2212, Q2214, 25K3560 Q2205, Q2208, Q2209, Q25K3723 RESISTORS R1405, R1406, R1408-R1410, R1414 R51/10S3602F R1420 R51/16S1101F R1403 R51/16S2702F R1401, R1404 R51/16S2702F R1417 R51/16S7500F D2203, D2232 1SS355 R1401, R1404 R51/16S7500F D2209, D2223 1SS355 R1401, R1404 R51/16S7500F D2213, D2214, D2216-D2219, D2222 EC11FS4 R1417 R51/16S7##J D2209, D2232 D2203, D2332 D2201, D2205, D2207, D2208 EC11FS4 R1417 R51/16S7##J D2201, D2204, D2205, D2207, D2208 EC11FS4 R1417 R51/16S7##J D2213, D2214, D2216-D2219, D2222 EC11FS4 D2210, D2226, D2217, D2222 EC11FS4 D2210, D2226, D2217, D2220, D2229 FCU20A30 D2210, D2206, D2211, D2220, D2229 FCU20A30 D2210, D22204 UD2S16B OTHERS D2210, D2224 UD2S16B OTHERS D2210, D2224 UD2S16B OTHERS COIL ATH119 L2204 CHOKE COIL ATH1155 C2211, C2224 (100pF/630V) ACG1108 C2212, C2224, C2225, C2235, C2235 CXSRVB104K16 C2210, C2223, C2233, C2235 CXSRVB104K16 C2201, C2203, C2218 CXSRVB105K6R3 CXSRVB105K6R3 CXSRVB105K6R3 CXSRVB105K6R3 CXSRVB105K6R3 CXSRVB105K6R3 CXSRVB105K16 C1072, C1073 CXSRVB105K16 RESISTORS RS1/10S100J							
C1406	C1403, C1407, C1	408, C1411	CKSRYB104K16				
RESISTORS	C1406		CKSRYF104Z50		Q2202, Q2211, 0	· ·	2SK3560
R1405, R1406, R1408-R1410, R1414	RESISTORS				Q2200, Q2200, V	32200, Q2200	2010720
R1403		408-R1410, R1414	RS1/10S3602F			Q2207, Q2210	
National Color					•		
Name					,	2207, D2208	
D2201, D2206, D2211, D2220, D2229 FCU20A30 D2215, D2228 D2215, D2228 D2215, D2228 D2216, D2224 D2256B D2210, D2224 D22516B D22516B D2210, D2224 D22516B D2210, D2225	·						EC11FS4
D2215, D2228	VR1401		CCP1390		·		
D2210, D2224 DDZS16B	Other Resistors		RS1/16S###J		, ,)2211, D2220, D2229	
1002 CARD SPACER	OTHERS				-,		
1001 DRIVE SIRICON SHEET AEH1062 L2203 L2205 CHOKE COIL ATH1119		CER	AEC1957				
1001 DRIVE HEATSINK A		CON SHEET	AEH1062				ATL 1444 O
1001 SCREW BMZ30P080FZK L2202 CHOKE COIL ATH1156 LFEA470J		TOINIK A			,		
L2201 LFEA470J		I SINK A					
PANEL SENSOR ASSY PANEL SENSOR ASSY C2212-C2214, C2225-C2227 C2211, C2224 (100pF/630V) C2210, C2223 (0.1microF/630V) ACG1104 C2210, C2223 (0.1microF/630V) C2210, C2223, C2216, C2217 CCSRCH331J50 C2202, C2205, C2216, C2217 CCSRCH331J50 C2203, C2232, C2233, C2235 CKSRYB104K16 C2201, C2203, C2232, C2233, C2235 CKSRYB105K6R3 C2201, C2208, C2215, C2219 CKSYB105K25 C1074 CKSRYB103K50 C1071, C1076 CKSRYB104K16 C1072, C1073 CKSRYB104K16 RESISTORS R2240, R2241 RS1/10S100J					L2201		LFEA470J
PANEL SENSOR ASSY C2211, C2224 (100pF/630V) ACG1104 SEMICONDUCTORS C2210, C2223 (0.1microF/630V) ACG1108 IC1072 MM1522XU C2202, C2205, C2216, C2217 CCSRCH331J50 C1071 MM3012XN C2230, C2232, C2233, C2235 CKSRYB104K16 CAPACITORS C1075 ACH1357 C2201, C2208, C2215, C2219 CKSRYB105K6R3 C1074 CKSRYB103K50 CKSRYB104K16 RESISTORS C1072, C1073 CKSRYF105Z10 R2240, R2241 RS1/10S1003F R2244-R2247 RS1/10S100J						:2225-C2227	ACE1168
C2210, C2223 (0.1microF/630V)	PANEL SI	ENSOR ASSV	,				
C1072							
C1071			MM1522XU				
CAPACITORS C2201, C2208, C2215, C2219 CKSYB105K25 C1075 ACH1357 CKSRYB103K50 CKSRYB103K50 C1071, C1076 CKSRYB104K16 RESISTORS R2240, R2241 RS1/10S1003F C1072, C1073 CKSRYF105Z10 R2244-R2247 RS1/10S100J	IC1071		MM3012XN		, ,	00, 02200	
C1075 ACH1357 C1074 CKSRYB103K50 C1071, C1076 CKSRYB104K16 C1072, C1073 CKSRYF105Z10 R2240, R2241 RS1/10S1003F R2244-R2247 RS1/10S100J	CAPACITORS				,	C2215, C2219	
C1071, C1076					, , , ====3,	, -	-
C1072, C1073 CKSRYF105Z10 R2240, R2241 RS1/10S1003F R2244-R2247 RS1/10S100J					DECISTORS		
R2244, R2247 RS1/10S100J	·						RS1/10S1002E
72 PDP-5004	. ,				,		
	72			PDP-5004			

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lark No. Description	Part No.	Mark No.	Des	<u>cription</u>	Part No.	
R2204, R2205, R2211, R2213	RS1/10S2R2J	OTHERS	3	•		
R2220, R2221, R2224, R2228, R2253			<u>-</u> -KN2305, KN23	10 KN3313	ANK-142	
R2234	RS1/16S1202F		-KN2316 GROU		ANK-142	
	1101/1001202		11P TOP POS		B11B-EH	
R2235	RS1/16S3301F	CIN2301	111 101 103	· I	DIID-EN	
R2233	RS1/16S5601F					
R2242	RS1/16S8201F	[E0.V.00.	AN DI COKI			
R2215, R2230	RS1MMF101J		AN BLOCK]	_		
VR2201-VR2204	CCP1390	<u>SEMICO</u>	NDUCTORS	<u>3</u>		
VH2201-VH2204	CCF 1390	IC2101,	IC2103-IC2106	,IC2108,IC2109	HCPL-M611	
Other Resistors	RS1/16S###J	IC2102,	IC2107		TC74ACT540FT	
Other resistors	1131/103###3					
THERE		COILS A	ND FILTER	<u>.S</u>		
THERS	A EL 14 0 7 E	L2101-L2	2103		LFEA100J	
3301 SPACER	AEH1075					
3501 SCREW	PMH30P080FMC	CAPACI	TORS			
			C2111, C2116, (C2117	ACH1392	
			C2107, C2113	02117	CEHAT221M16	
Y SUS BLOCK]			C2103, C2105, (C2106	CKSRYB104K16	
EMICONDUCTORS			C2103, C2103, C		CKSRYB104K16	
IC2302, IC2308	HCPL-M611	02100-0	,_ 110, UZ11Z, C	<i>></i> ∟	OKO111 D 10+K10	
IC2305	NJM2872F05	DECICT	OD6			
C2303, IC2307	STK795-513	RESISTO			DAD46 :== :	
C2301, IC2304, IC2309	TND301S	R2121, F			RAB4C472J	
Q2310	2SC2412K	Other Re	esistors		RS1/16S###J	
		A=	_			
Q2303, Q2307	2SD1898	OTHERS	_			
Q2301 [°]	2SJ522	CN2101	, CN2102 15P	CONNECTOR	AKM1200	
Q2302, Q2308, Q2312	2SK3325-Z					
Q2309	HN1B04FU					
02302	1SS302	[50 Y D-D	CON BLOCK	K]		
		-	NDUCTORS	-		
02319, D2320	EC10QS04	IC2410-I		_	AN1431M	
02305	EC11FS4	IC2406			BA10358F	
02301	UDZS16B	IC2401			MIP0223SC	
D2306, D2318	UDZS5.6B		IC2405, IC2407-	-IC2409	TLP181(P-GR)	
- , 		Q2402, (.52-100	2SA1037K	
DILS AND FILTERS		QZ40Z, (QTO1		LOTTIONIC	
_2306, L2307	ATH1112	Q2410			2SA1163	
_2306, L2307 _2304	LFEA100J	Q2417			2SA1535	
_2304 _2308	LFEA100J		Q2414, Q2416		2SC2412K	
_2306 _2301, L2302, L2305	LFEA470J	Q2405	, & 10		2SC2713	
-2001, L2002, L2000	LFEA4/UJ	Q2403 Q2403			2SD1664	
PACITORS		Q24U3			20D 1004	
PACITORS	10=11=	Q2401, (O2404		2SD1898	
C2309-C2312, C2326, C2327	ACE1163	Q2401, Q Q2415	4 ∠404		25D1898 HN1C01FU	
C2329, C2330	ACE1163	Q2415 D2430			1SS301	
C2314	ACE1165		D0/10 D0/06			
C2302	ACG1092	·	D2419, D2436		1SS302	
C2316, C2331	ACH1358	D2409, [J2418		1SS355	
		D04017	20407		E011E00	
22303	ACH1361	D2404-D			EC11FS2	
2336	ACH1393	D2403, [J2414		EC11FS4	
C2306, C2334	CEHAT221M25	D2402			EC8FS6	
C2308, C2324, C2339, C2340	CEHAT470M16	D2427			RD91PA	
C2304, C2320, C2338	CEHAT470M25	D2401			U1ZB330	
•			_			
02305, C2322, C2323, C2325, C2333	CKSRYB104K16	·	D2413, D2422		UDZS15B	
C2341	CKSRYB104K16	D2425, [D2426		UDZS27B	
C2301, C2307, C2328	CKSRYF104Z50	D2415			UDZS33B	
		D2432			UDZS4.3B	
SISTORS		D2423, [D2431		UDZS5.6B	
R2332	ACN1166					
R2364, R2365	ACN1174	COILS A	AND FILTER	<u>S</u>		
R2309	RS1MMF132J	T2402			ATK1156	
	RS1MMF472J	T2403			ATK1157	
		T2401			ATK1158	
R2310, R2311	RS3LMF100J	L2402			LFEA100J	
R2310, R2311					LFEA101J	
R2310, R2311 R2312-R2314, R2322, R2323	DOI ME1DO I	L 2401			LL LA IUIJ	
R2310, R2311 R2312-R2314, R2322, R2323 R2348, R2352, R2358, R2359	RS3LMF1R8J	L2401			LILATOTS	
R2310, R2311 R2312-R2314, R2322, R2323	RS3LMF1R8J RS1/16S###J	L2401 L2403			LFEA470J	

	Mark No. Description	Part No.	Mark No. Description	Part No.
	CAPACITORS		R1513-R1518	RS1/16SS470J
	C2406	ACH1360	R1505-R1509	RS1/16SS1000F
	C2401	ACH1361	Other Resistors	RS1/16S###J
Α	C2427	CEHAT100M50		
	C2403	CEHAT101M16	OTHERS	
	C2405, C2407, C2417	CEHAT101M25	CN1501 40P FFC CONNECTOR	AKM1215
	,,			
	C2414	CEHAT221M16		
	C2410	CEHAT221M25	[ADR RESONANNCE BLOCK]	
•	C2411	CEHAT331M25	SEMICONDUCTORS	
_	C2420	CEHAT470M2A	IC1601-IC1603	TND304S
	C2409, C2419	CKSRYB103K50	Q1604	2SA1163
	CO400 CO410 CO410 CO400 CO405	CKCDVD104K1C	Q1601	HAT1081R
	C2402, C2412, C2413, C2423, C2425 C2431, C2432, C2434-C2436	CKSRYB104K16	Q1602,Q1603	HAT3019R
	C2431, C2432, C2434-C2436 C2441-C2443	CKSRYB104K16	D1601	1SS302
В	C2415, C2421, C2428	CKSRYB105K6R3		
	C2404, C2408, C2416, C2418, C2426		D1608,D1609,D1617,D1618	EC10UA20
	02 10 1, 02 100, 02 110, 02 110,	0.101111 10.1200	D1610,D1611,D1616,D1619,D1620	EC11FS2
	C2429	CKSRYF104Z50	D1604,D1612	MA126
			D1602,D1606,D1607,D1614,D1615 D1621,D1622	UDZS15B UDZS24B
	RESISTORS		01021,01022	0023240
	R2429	ACN1225	COILS AND FILTERS	
_	R2435, R2439	RS1/10S2202F	L1601.L1602	ATH1135
	R2402-R2404	RS1/10S3902F	L1001,L1002	ATTTTOO
	R2442	RS1/16S1201F	CAPACITORS	
	R2468	RS1/16S1202F	C1609,C1615 (0.47/100V)	ACE1172
	D0 10 1	D0.//.0000.15	C1605,C1607,C1608,C1613,C1614	ACG1101
С	R2424	RS1/16S2001F	(0.01/100V)	7.001101
	R2420, R2427, R2438	RS1/16S2201F	C1618 (47/6.3V)	ACH1357
	R2467 R2457-R2460	RS1/16S3301F RS1/16S4701F	C1603 (47/16V)	ACH1391
	R2506	RS3LMF151J		
	112000	TIGOLIVII TOTO	C1601,C1602 (56/80V)	ACH1405
	VR2401, VR2402	CCP1390	C1604,C1606,C1612	CKSSYF104Z16
	Other Resistors	RS1/16S###J		
			<u>RESISTORS</u>	
	<u>OTHERS</u>		R1631 (10,1/2W)	ACN1174
	2401 HEATSINK	ANH1614	Other Resistors	RS1/16S###J
	2401 SCREW	BBZ30P080FZK		
	2002 CARD SPACER	AEC1957		
D	2001 DRIVE SIRICON SHEET	AEH1062	43 SCAN A ASSY	
	2001 PLATEY	ANG2557		
	2001 DRIVE HEATSINK A	ANH1613	SEMICONDUCTORS	
	2001 SCREW	BMZ30P080FZK	IC3001-IC3006	SN755864APZP
	2002 SCREW	PMB30P060FNI	D3001	KU10N16
_			CAPACITORS	
			C3001,C3002,C3012,C3013	ACG1088
	PCB PARTS LIST for PDP-	4304. PDP-4314	C3023,C3024,C3034,C3035	ACG1088
	models		C3045,C3046,C3056,C3057	ACG1088
	<u>IIIOueis</u>		(0.1/250V)	
	40 ADDDEGG AGGV		C3005,C3008,C3016,C3019,C3026	CCSRCH101J50
Е	43 ADDRESS ASSY			
_	[ADR LOGIC BLOCK]		C3029,C3037,C3040,C3048,C3051	CCSRCH101J50
	<u>SEMICONDUCTORS</u>		C3060,C3063	CCSRCH101J50
	IC1501	PEE001B	C3007,C3018,C3033,C3044,C3050	CCSRCH181J50
			C3062	CCSRCH181J50
	COILS AND FILTERS		C3006,C3011,C3017,C3022	CCSRCH331J50
	F1501-F1503	ATF1194	C3031,C3032,C3042,C3043,C3049	CCSRCH331J50
-			C3055,C3061,C3066	CCSRCH331J50
	<u>CAPACITORS</u>		C3009,C3010,C3020,C3021,C3028	CCSRCH390J50
	C1556,C1559,C1560,C1563	ACG1105	C3030,C3039,C3041,C3053,C3054	CCSRCH390J50
	(330p/100V)		C3064,C3065	CCSRCH390J50
	C1501,C1502(47/6.3V)	ACH1357	·	
F	C1503-C1507,C1555,C1558,C1561	CKSSYF104Z16	C3003,C3014,C3025,C3036,C3047	CKSRYB105K6R3
Г	C1564	CKSSYF104Z16	C3058	CKSRYB105K6R3
	RESISTORS			
	R1510,R1519,R1522	RAB4C470J	RESISTORS	
			-	
_	74	PDP-5004	-	4
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Mark No. Description	Part No.	Mark No. Description	Part No.	
R3003,R3011,R3017,R3025,R3030	RAB4C221J	IC1001	TC74ACT541FT	
R3036	RAB4C221J	IC1003	TC74VHC08FT	
Other Resistors	RS1/16S###J	CAPACITORS		
<u>OTHERS</u>		C1001	CEHAT470M25	Α
CN3001 15P CONNECTOR	AKP1218	C1002-C1004	CKSRYB104K16	
K3001,K3004,K3009,K3015,K3017 K3019,K3021 TEST PIN	AKX9002 AKX9002	RESISTORS		
10010,10021 12011111	AIOOOOL	R1001,R1002,R1005	RAB4C470J	
		R1003,R1004,R1007	RAB4C472J	
43 SCAN B ASSY		<u>OTHERS</u>		_
<u>SEMICONDUCTORS</u>		CN1001 30P FFC CONNECTOR	AKM1218	
IC3201-IC3206	SN755864APZP			
D3201	KU10N16	[RESONANCE BLOCK]		
<u>CAPACITORS</u> C3201,C3211,C3212,C3222,C3223	ACG1088	SEMICONDUCTORS		В
C3233,C3234,C3244,C3245	ACG1088	IC1103	BA10393F	Ь
C3255,C3256,C3266 (0.1/250V)	ACG1088	IC1101,IC1102	TND506MD	
C3203,C3204,C3214,C3215,C3226	CCSRCH101J50	Q1113	2SC2412K	
C3228,C3237,C3239,C3247,C3251	CCSRCH101J50	Q1102,Q1103,Q1111,Q1112,Q1114	2SK3560	
C3258,C3259	CCSRCH101J50	Q1105,Q1106,Q1108,Q1109	2SK3723	
C3206,C3217,C3232,C3243,C3249	CCSRCH181J50	Q1101,Q1104,Q1107,Q1110	CPH5506	
C3261	CCSRCH181J50	D1109,D1122	1SS302	
C3205,C3210,C3216,C3221	CCSRCH331J50	D1112,D1119	1SS355	
C3230,C3231,C3241,C3242,C3248	CCSRCH331J50	D1101,D1102,D1104,D1105	EC11FS4	
C3254,C3260,C3265	CCSRCH331J50	D1107,D1108,D1111,D1114-D1117	EC11FS4	
C3208,C3209,C3219,C3220,C3227	CCSRCH390J50	D1120,D1121,D1127,D1128	EC11FS4	С
C3229,C3238,C3240,C3252,C3253	CCSRCH390J50	D1103,D1106,D1113,D1118	TCU20A30	_
C3263,C3264	CCSRCH390J50	D1124,D1125	TCU20A30	
C3202,C3213,C3224,C3235,C3246	CKSRYB105K6R3	D1110,D1123	UDZS16B	
C3257	CKSRYB105K6R3	COILS AND FILTERS		
		L1104	ATH1119	
<u>RESISTORS</u>		L1102	ATH1133	_
R3202,R3210,R3216,R3224,R3229	RAB4C221J	L1103,L1105	ATH1134	
R3235 Other Resistors	RAB4C221J RS1/16S###J	L1101	LFEA470J	
Other resistors	1131/103###0	CAPACITORS		
<u>OTHERS</u>		C1113,C1114,C1126,C1127 (3.3/250V)	ACE1168	Б.
CN3201 15P CONNECTOR	AKP1218	C1111,C1124 (100p/630V)	ACG1104	D
K3203,K3208,K3214,K3216,K3218	AKX9002	C1109,C1119 (0.1/630V)	ACG1108	
K3220,K3221 TEST PIN	AKX9002	C1101,C1105,C1116,C1117 C1128,C1130-C1132	CCSRCH331J50 CKSRYB104K16	
		C1120,C1130-C1132	CNSN1D104N10	
X CONNECTOR A ASS	SY	C1102,C1118	CKSRYB105K6R3	_
This assembly has no service part.	_	C1104,C1108,C1115,C1122	CKSYB105K25	
		RESISTORS		
V CONNECTOR R 400	SV.	R1116,R1122	RS1/10S1003F	
X CONNECTOR B ASS	7	R1133,R1143-R1145	RS1/10S100J	
This assembly has no service part.		R1103,R1106,R1118,R1119,R1153	RS1/10S2R2J	
		R1136	RS1/16S1202F	Е
43 X DRIVE ASSY		R1139	RS1/16S3301F	
OTHERS		R1130	RS1/16S5601F	
1002 CARD SPACER	AEC1957	R1134	RS1/16S8201F	
1001 DRIVE SIRICON SHEET A	AEH1062	R1113,R1128	RS1MMF101J	
1001 PLATE X	ANG2622	VR1101-VR1104	CCP1390	
1001 DRIVE HEATSINK A 1001 SCREW	ANH1613 BMZ30P080FZK	Other Resistors	RS1/16S###J	
1001 SCHEW	DIVIZOUF UOUF ZR			
1002 SCREW	PMB30P060FNI	[SUS BLOCK]		
		<u>SEMICONDUCTORS</u>	LIODI MANA	
[X LOGIC BLOCK]		IC1202 IC1205	HCPL-M611 NJM2872F05	F
SEMICONDUCTORS		IC1205 IC1203,IC1207	STK795-510	
IC1002	TC74ACT540FT	IC1208	TLP181(P-GR)	
		IC1204,IC1206	TND301S	
		PDP-5004		75
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	Mark No. Description	on Part No.		scription Part No.
Α	Q1207 Q1203 Q1302 Q1301 Q1205	2SC2412K 2SD1898 2SJ522 2SK2503 2SK2908-01S	CAPACITORS C1401,C1402 (22/315 C1404 C1405 C1409 C1403,C1407,C1408,	CEHAT101M16 CEHAT101M25 CEHAT331M16
	Q1206,Q1208 Q1201	DTC124EK HN1B04FU	C1406	CKSRYF104Z50
	D1212 D1211,D1213,D1216 D1201,D1207	1SS302 1SS355 EC10QS04	RESISTORS R1405,R1406,R1408- R1420 R1403	R1410,R1414 RS1/10S3602F RS1/16S1101F RS1/16S2702F
5	D1204,D1301 D1214 D1208	EC11FS4 EC8FS6 UDZS5.6B	R1401,R1404 R1417	RS1/16S4701F RS1/16S7500F
В	COILS AND FILTERS L1204,L1205 L1202 L1203,L1206	ATH1112 LFEA100J LFEA470J	VR1401 (1k) Other Resistors PANEL SEN	CCP1390 RS1/16S###J
	CADACITODO		SEMICONDUCTOR	
	CAPACITORS C1214-C1217,C1227-C1230 C1233 (0.12/250V) C1244 (0.1/250V)	ACE1163 ACE1169 ACE1170	IC1072 IC1071	MM1522XU MM3012XN
С	C1209 (0.1/630V) C1219,C1231	ACG1092 ACH1359	CAPACITORS C1075 C1074	ACH1357 CKSRYB103K50
C	C1224 C1301 C1203,C1207,C1210,C1220,C1		C1071,C1076 C1072,C1073 RESISTORS	CKSRYB104K16 CKSRYF105Z10
	C1238,C1239 C1235 C1213,C1225,C1240,C1241,C1	CEHAT470M25 CKSRYB102K50 243 CKSRYB104K16	R1076,R1078 Other Resistors	RS1/16S1001F RS1/16S###J
_	C1202,C1205,C1206,C1212,C1		42 V DDIVE	ACCV
	RESISTORS		43 Y DRIVE OTHERS	ASSY
D	R1230 (2.2/ 1/2W) R1208 (10/ 1/2W) R1304 (560/ 1/2W) R1305 (1k/ 1/2W) R1301,R1302,R1314	ACN1166 ACN1174 ACN1195 ACN1198 RS1/10S122J	2002 CARD SPACEI 2001 DRIVE SIRICO 2001 PLATE Y 2001 DRIVE HEATS 2001 SCREW	N SHEET A AEH1062 ANG2557
	R1226,R1251 R1235,R1236 Other Resistors	RS1MMF361J RS2MMF121J RS1/16S###J	2002 SCREW	PMB30P060FNI
E	OTHERS KN1201-KN1205,KN1208,KN12 KN1210-KN1212 (GROUND F CN1201 12P CONNECTOR		EY LOGIC BLOCK SEMICONDUCTOI IC2002 IC2001,IC2003 IC2005 IC2004 Q2001	•
	SEMICONDUCTORS IC1404 IC1402 IC1401,IC1403 Q1401	AN1431M MIP161 TLP181(P-GR) 2SA1037K	CAPACITORS C2001 C2010,C2011 C2002-C2006	CEHAT470M16 CKSRYB104K16 CKSRYF104Z50
F	Q1402 D1407,D1408 D1404 D1401,D1403 COILS AND FILTERS	2SC2412K EC11FS2 EC8FS6 UDZS5.6B	RESISTORS R2018,R2019 R2002,R2004,R2013- R2005,R2006,R2012, Other Resistors	
	L1401 T1401	ATH1110 ATK1153	OTHERS CN2001 50P CONN	ECTOR AKM1201
	76	PD	P-5004	

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Mark No. Description	Part No.	Mark No. Description	Part No.	
		L2306,L2307	ATH1112	
[Y RESONANCE BLOCK]		L2304	LFEA100J	
SEMICONDUCTORS		L2308	LFEA101J	
IC2211	BA10393F	L2301,L2302,L2305	LFEA470J	Α
IC2201,IC2202	TND506MD			
Q2213	2SC2412K	CAPACITORS		
Q2202,Q2203,Q2211,Q2212,Q2214	2SK3560	C2309-C2312,C2326,C2327	ACE1163	
Q2205,Q2206,Q2208,Q2209	2SK3723	C2329,C2330 (1.5/300V)	ACE1163	
Q2200,Q2200,Q2200	2010720	C2314 (0.047/250V)	ACE1165	
Q2201,Q2204,Q2207,Q2210	CPH5506	C2302 (0.1/630V)	ACG1092	_
D2209,D2223	1SS302	C2316,C2331 (300/280V)	ACH1359	
D2228,D2229	1SS355	,		
D2202-D2205,D2207,D2208	EC11FS4	C2303 (22/315V)	ACH1361	
D2213,D2214,D2216-D2219,D2222	EC11FS4	C2336 (220/100V)	ACH1393	
DZZ 10,DZZ 14,DZZ 10 DZZ 13,DZZZZ	20111 04	C2306,C2334	CEHAT221M25	
D2226,D2227	EC11FS4	C2308,C2324,C2339,C2340	CEHAT470M16	
D2201,D2206,D2211,D2215,D2220	TCU20A30	C2304,C2320,C2338	CEHAT470M25	В
D2225	TCU20A30	,,-		
D2210,D2224	UDZS16B	C2305,C2322,C2323,C2325,C2333	CKSRYB104K16	
522 10,52227	0020100	C2341	CKSRYB104K16	
COILS AND FILTERS		C2301,C2307,C2328	CKSRYF104Z50	
	ATI 11110	,,		
L2204	ATH1119	RESISTORS		_
L2202	ATH1133	R2332 (2.2,1/2W)	ACN1166	
L2203,L2205	ATH1134	R2309	RS1MMF132J	
L2201	LFEA470J	R2310,R2311	RS1MMF472J	
2 A DA OLTO DO		R2310,R2311 R2312-R2314,R2322,R2323	RS3LMF100J	
CAPACITORS		R2348,R2352,R2358,R2359	RS3LMF1R8J	
C2212,C2213,C2226,C2227 (3.3/250V)		1 12070,1 12002,1 12000,172008	I IOOLIVII II IOO	
C2211,C2224 (100p/630V)	ACG1104	Other Resistors	RS1/16S###J	С
C2210,C2223 (0.1/630V)	ACG1108	Other resistors	1101/100###0	
C2202,C2205,C2216,C2217	CCSRCH331J50	OTHERS		
C2230,C2232,C2233,C2235	CKSRYB104K16	<u>OTHERS</u>	*****	
		KN2301-KN2305,KN2310,KN2312	ANK-142	
C2203,C2218	CKSRYB105K6R3	KN2314,KN2316 (GROUND PLATE)	ANK-142	
C2201,C2208,C2215,C2219	CKSYB105K25	CN2301 11P CONNECTOR	B11B-EH	•
				-
RESISTORS		IV COAN BLOOK!		
R2240,R2241	RS1/10S1003F	[Y SCAN BLOCK]		
R2244-R2247	RS1/10S100J	<u>SEMICONDUCTORS</u>		
R2204,R2205,R2220,R2221,R2253	RS1/10S2R2J	IC2101,IC2103-IC2106,IC2108,IC2109	HCPL-M611	
R2234	RS1/16S1202F	IC2102,IC2107	TC74ACT540FT	
R2235	RS1/16S3301F			D
		COILS AND FILTERS		
R2233	RS1/16S5601F	L2101-L2103	LFEA100J	
R2242	RS1/16S8201F		000	
R2215,R2230	RS1MMF101J	<u>CAPACITORS</u>		
VR2201-VR2204 (1k)	CCP1390	C2104,C2111 (47/160V)	ACH1392	
Other Resistors	RS1/16S###J	C2104,C2111 (47/160V) C2101,C2107,C2113	CEHAT221M16	•
			CKSRYB104K16	
		C2102,C2103,C2105,C2106 C2108-C2110,C2112,C2114	CKSRYB104K16	
Y SUS BLOCK]		02100-02110,02112,02114	UNUNT D 104K 10	
SEMICONDUCTORS		DESISTORS		
IC2302.IC2308	HCPL-M611	RESISTORS	DAD40470:	
IC2302,IC2308	NJM2872F05	R2121,R2128	RAB4C472J	_
IC2305 IC2303,IC2307	STK795-511	Other Resistors	RS1/16S###J	E
IC2303,IC2307 IC2301,IC2304,IC2309	TND301S	OTHERS		
Q2310	2SC2412K	<u>OTHERS</u>		
پدی ۱ <i>۱</i>	20024121\	CN2101,CN2102 15P CONNECTOR	AKM1200	
Q2303,Q2307	2SD1898			
Q2301 Q2301	2SJ522	[Y D-D CON BLOCK]		
Q2302,Q2308,Q2312	2SK3325-Z	SEMICONDUCTORS		
Q2302,Q2308,Q2312 Q2309	2SK3325-Z HN1B04FU	IC2410-IC2412	AN1431M	_
D2302	1SS302	IC2406	BA10358F	
DEJUE	100002	IC2401	MIP0223SC	
D2310	EC100804	IC2402-IC2405,IC2407-IC2409	TLP181(P-GR)	
D2319	EC10QS04	Q2402,Q2407	2SA1037K	
D2305	EC11FS4	QC+UC,QC+U1	20/100/IX	
D2301	UDZS16B	Q2410	2SA1163	F
D2306,D2318	UDZS5.6B	Q2410 Q2417	2SA1163 2SA1535	
0011 0 AND 511 7550		Q2417 Q2411-Q2414,Q2416	2SC2412K	
COILS AND FILTERS		QC+11-QC+14,QC410	200241ZN	
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		2-5004		
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Mark No. Description	Part No.	Mark No. Description	Part No.
Q2405	2SC2713	PCB PARTS LIST for Com	mon models
Q2403	2SD1664		
		(PDP-5004, PDP-5014 and	PDP-4304,
Q2401,Q2404	2SD1898	<u>PDP-4314 models)</u>	
Q2415 D2430	HN1C01FU 1SS301		
D2430 D2410,D2419,D2436	1SS302	RGB ASSY	
D2409,D2418	1SS355	[REG BLOCK]	
52 100,52 110	10000	SEMICONDUCTORS	
D2404-D2407	EC11FS2	IC7411	BD6522F
D2403,D2414	EC11FS4	 C7412	M5291FP
D2402	EC8FS6	IC7402	MM1522XU
D2427	RD91PA	IC7401	MM3012XN
D2401	U1ZB330	IC7404	NJM12904V
D2412,D2413,D2422	UDZS15B	⚠ IC7408, IC7409	DO0ED711
D2425,D2426	UDZS27B	⚠ IC7408, IC7409 ⚠ IC7405, IC7410	PQ05DZ11 PQ20WZ11
D2415	UDZS33B	△ IC7406, IC7407	PQ3DZ13
D2432	UDZS4.3B	IC7403	TC74VHC08FT
D2423,D2431	UDZS5.6B	Q7405	2SA1586
COILS AND FILTERS		Q7407, Q7408, Q7410, Q7411	HN1A01FU
T2402	ATK1156	Q7404	HN1C01FU
T2403	ATK1157	Q7401	RN1901
T2401 L2402	ATK1158	Q7409 D7408	RN1902 1SS301
L2402 L2401	LFEA100J LFEA101J	D1700	100001
L240 I	LI LATOTO	D7407, D7409-D7414	1SS355
L2403	LFEA470J	D7415, D7416	EC11FS2
<u>CAPACITORS</u>		COILS AND FILTERS	
C2406 (100/160V)	ACH1360	L7401	ATH1125
C2401 (22/315V)	ACH1361	O A DA OLTO DO	
C2427	CEHAT100M50	CAPACITORS	
C2403 C2405,C2407,C2417	CEHAT101M16 CEHAT101M25	C7408	ACH1357
G2405,G2407,G2417	CEHAI IUTWI25	C7414, C7419, C7434, C7437 (100/25V)	ACH1374
C2414	CEHAT221M16	C7447, C7450 (47microF/16V)	ACH1391
C2410	CEHAT221M25	C7416, C7423, C7424, C7430	ACH1394
C2411	CEHAT331M25	(100microF/16V)	7.0
C2420	CEHAT470M2A	C7418, C7421, C7426, C7432, C7445	ACH1396
C2409,C2419	CKSRYB103K50	(100microF/6.3V)	
		C7452 (100microF/6.3V)	ACH1396
C2402,C2412,C2413,C2423,C2425	CKSRYB104K16	C7403 (22microF/16V)	ACH1400
C2431,C2432,C2434-C2436	CKSRYB104K16	C7428, C7429, C7448	CCSRCH221J50
C2441-C2443 C2415,C2421,C2428	CKSRYB104K16 CKSRYB105K6R3	C7440, C7459-C7466	CKSRYB102K50
C2415,C2421,C2426 C2404,C2408,C2416,C2418,C2426	CKSRYF104Z50	C7407, C7409, C7453-C7455	CKSRYB103K50
0 .,000,00,00,00	2.13.11. 101200	C7457, C7458	CKSRYB103K50
C2429	CKSRYF104Z50	C7436	CKSRYB104K16
		C7446	CKSRYB821K50
RESISTORS		C7413, C7435	CKSRYF104Z50
R2429 (180k,1/2W)	ACN1225	C7402, C7410	CKSRYF105Z10
R2435,R2439	RS1/10S2202F	07404 07405 07444 0745	01/00/27/2
R2402-R2404	RS1/10S3902F	C7404-C7406, C7411, C7412, C7415	CKSSYF104Z16
R2442	RS1/16S1201F	C7417, C7420, C7422, C7425, C7427 C7431, C7433, C7439, C7441-C7444	CKSSYF104Z16
R2468	RS1/16S1202F	C7431, C7433, C7439, C7441-C7444 C7449, C7451	CKSSYF104Z16 CKSSYF104Z16
R2424	RS1/16S2001F	,	5
R2420,R2427,R2438	RS1/16S2201F	<u>RESISTORS</u>	
R2467	RS1/16S3301F	R7402, R7405, R7417	RAB4CQ101J
R2457-R2460	RS1/16S4701F	R7426	RAB4CQ103J
R2506	RS3LMF151J	R7480	RS1/10S1R5J
		R7412, R7420, R7486	RS1/16S1001F
VR2401,VR2402 (1k)	CCP1390	R7437, R7439, R7467, R7469, R7476	RS1/16S1002F
Other Resistors	RS1/16S###J	D7461	D01/1001F01F
		R7461	RS1/16S1501F
OTHERS			
OTHERS	ANH161/	R7422	RS1/16S1800F
OTHERS 2401 HEATSINK 2401 SCREW	ANH1614 BBZ30P080FZK		

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Mark No.	<u>Description</u>	Part No.	ļ	Mark No.	Des	<u>cription</u>	Part No.	
				OTHERS				
R7438		RS1/16S4700F		K6401-K640	06 TEST PI	N	AKX9002	
R7465		RS1/16S4702F		CN6402 6P	PLUG		KM200NA6	
R7460		RS1/16S6201F						Α
R7447		RS1/16S7500F						
R7478		RS1/16S8201F		[MAIN AD B	LOCK]			
				SEMICONE	DUCTOR	S		
Other Resisto	ors	RS1/16S###J		IC6001		_	CXA3516AR	
				IC6002-IC60	008		TC74LCX541FT	
<u>OTHERS</u>				Q6001			2SC4116	•
CN7405 12P	PLUG	AKM1203		D6001			1SS355	-
CN7401 15P	PLUG	AKM1232		2000.			.00000	
CN7410 50P	PLUG	AKM1270		COILS AND) FII TER	25		
				L6001	<i>-</i>	<u></u>	LCTAWR68J2520	
				L0001			LO 1AVVI 10002320	
[MAIN LPF B	LOCK]			CAPACITO	DC			_
SEMICOND	UCTORS					00000 00044	10114000	В
IC6402		AN5870SB				C6028, C6041	ACH1396	
IC6404		BA7078AF			51, C6054 ((100microF/6.3V)		
IC6403		BA7657F		C6020			CCSRCH101J50	
IC6401		SM5301BS		C6011			CCSRCH220J50	
IC6407		TC74VHC08FT		C6017			CCSRCH331J50	
100-107		. 57 17110001 1				00005	01/07/27	
IC6405		TC74VHC125FT		C6003, C60			CKSRYB105K6R3	•
Q6419-Q642	1	2SA1586				C6038, C6045	CKSRYB105K6R3	
Q6407, Q641		DTC124EUA		C6062-C606			CKSRYB471K50	
·	6, Q6408, Q6410, Q6412			C6002, C60			CKSSYF104Z16	
D6404	0, 90400, 90410, 90412	1SS302		C6012-C601	16, C6021-0	26023	CKSSYF104Z16	
D0404		100002						
COILS AND	EILTEDS			C6026, C60			CKSSYF104Z16	С
	<u>FILI ENS</u>	I OTAMADZ 10500				C6040, C6042	CKSSYF104Z16	
L6401		LCTAW4R7J2520				C6052, C6053	CKSSYF104Z16	
L6402		LCTAWR68J2520		C6055-C606	61		CKSSYF104Z16	
0.4.04.04.00	•							
CAPACITOF				RESISTOR	<u>S</u>			
	6, C6437, C6462, C6469			R6001, R60	04, R6013,	R6014	RAB4CQ100J	
		ACH1391		R6020, R60	21, R6024,	R6027, R6033	RAB4CQ100J	_
C6431 (47m)	,	ACH1391		R6038, R60	44, R6054		RAB4CQ100J	
C6416, C641	7, C6424 (100microF/16V)	ACH1394		R6073-R608	85		RAB4CQ330J	
C6433 (10mi	icroF/16V)	ACH1399		R6023			RN1/16SE3001D	
C6439 (22mi	icroF/16V)	ACH1400		R6018			RS1/16S2201F	
C6445		CCSRCH151J50		R6016			RS1/16S2701F	D
C6435, C646	7, C6468	CCSRCH470J50		R6019			RS1/16S3301F	
C6401, C640	3, C6404, C6414, C6415	CKSRYB103K50		Other Resist	tors		RS1/16S###J	
C6423, C642	9, C6430, C6432, C6438	CKSRYB103K50						
				OTHERS				
C6446, C644	9, C6451, C6454, C6456	CKSRYB103K50			7 K6010-K	6013 TEST PIN	ΔΚΧ9002	
C6459, C646	1, C6470-C6476	CKSRYB103K50		100001-10000	37, 100 TO-10	.0013 12311111	AINAGUUZ	
C6463		CKSRYB104K25						_
C6408, C641	1, C6412, C6421, C6455	CKSRYB105K6R3		[SUB LPF &	AD BLOO	ואכ		
C6457, C646	0	CKSRYB105K6R3		-		•		
				SEMICONE	DUCTOR	<u>5</u>		
C6458		CKSRYB471K50		IC6602			AD9883AKST-110	
C6443		CKSRYB474K10		IC6604			BA7078AF	
C6442		CKSRYB562K50		IC6601			SM5301BS	E
C6407, C641	0, C6413, C6418-C6420	CKSSYF104Z16		IC6608-IC66	614		TC74LCX541FT	
	6, C6434, C6440, C6441	CKSSYF104Z16		IC6605			TC74VHC08FT	
-,	. ,							
C6444. C644	7, C6448, C6450	CKSSYF104Z16		IC6603, IC6			TC74VHC125FT	
C6452, C645	·	CKSSYF104Z16		Q6603, Q66	604		DTC124EUA	
				Q6605			HN1B04FU	•
RESISTORS	3							
R6489	<u> </u>	RAB4CQ470J		COILS AND) FILTER	<u>IS</u>		
R6422		RS1/16S1101F		F6601	_		ATF1194	
R6526-R6528	R	RS1/16S2200F		L6701			LCTAWR68J2520	
				-				
R6428, R642		RS1/16S3000F		CAPACITO	RS			
R6547-R6549	J	RS1/16S75R0F		C6635-C663			ACH1357	F
Other Deet	240	DC1/16C### I		C6633 (10n	,		ACH1357 ACH1399	
Other Resisto	15	RS1/16S###J		`	1110101/101)			
				C6644 C6638			CKSPVP102K50	
				U0030			CKSRYB103K50	70
			PDP-5	004				79
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	Mark No. Description	Part No.	Mark No. Description	Part No.
	•		•	rait No.
	C6604, C6624	CKSRYB104K16	RESISTORS	
			R5816-R5825, R5827, R5835, R5849	RAB4CQ100J
	C6648	CKSRYB104K25		
	C6608, C6611, C6612, C6621	CKSRYB105K6R3	R5852, R5854, R5856, R5858, R5860	RAB4CQ100J
Α			R5868-R5871, R5877	RAB4CQ100J
	C6630-C6632	CKSRYB105K6R3	R5802-R5808, R5812-R5814, R5831	RAB4CQ103J
	C6646, C6656-C6661	CKSRYB471K50	R5837, R5844, R5883	RAB4CQ103J
	C6609, C6614, C6623	CKSRYB473K16	, ,	
			R5845, R5850, R5851, R5853, R5855	RAB4CQ470J
	C6642	CKSRYB474K10	R5857, R5859, R5861-R5863, R5876	RAB4CQ470J
	C6641	CKSRYB562K50	,,,	
	C6602	CKSRYB822K50	Other Resistors	RS1/16S###J
	C6601	CKSRYB823K16	<u>OTHERS</u>	
	C6605-C6607, C6610, C6613	CKSSYF104Z16	X5801 CERAMIC RESONATOR	ASS1169
			7,0001 0218 44110 1120014 11011	71001100
	C6615-C6620, C6625-C6629, C6634	CKSSYF104Z16		
	C6639, C6643, C6645, C6647	CKSSYF104Z16		
В	C6649-C6655	CKSSYF104Z16	[IC2 BLOCK]	
_	C0049-C0033	CN3311104210	SEMICONDUCTORS	
			IC7001, IC7002	IC42S32200-7TG
	<u>RESISTORS</u>		IC7004	PE5362A
	R6699-R6710, R6723-R6728	RAB4CQ0R0J		
	R6729-R6734	RAB4CQ101J	IC7003	TC74LCX125FT
	R6608, R6613, R6621, R6627	RAB4CQ470J		
		RAB4CQ470J	COILS AND FILTERS	
	R6643, R6644, R6667-R6672		F7001, F7002 EMI FILTER	ATF1194
	R6676-R6678, R6681-R6685	RAB4CQ470J	1 7001,1 7002 EIVII 1 IEI EI 1	All 1134
			0.1.7.1.017.0.7.0	
	R6612, R6619, R6620	RS1/16S1000F	<u>CAPACITORS</u>	
	R6625	RS1/16S1101F	C7029, C7041 (100microF/6.3V)	ACH1396
	R6607, R6611, R6626	RS1/16S1300F	C7065	CCSRCH100D50
	R6601	RS1/16S2701F	C7066-C7068	CCSRCH221J50
С			C7001-C7024, C7026-C7028	CKSSYF104Z16
·	Other Resistors	RS1/16S###J		
			C7032-C7040, C7042-C7063	CKSSYF104Z16
	<u>OTHERS</u>			
	K6601-K6607 TEST PIN	AKX9002	C7031	DCH1165
			RESISTORS	
	IDUO OWA DI OOKI		R7034	RAB4CQ470J
	[BUS SW1 BLOCK]			
	<u>SEMICONDUCTORS</u>		R7027, R7037	RS1/16SS0R0J
	IC5701	PD6435A	R7023, R7035, R7036	RS1/16SS101J
			R7001, R7008	RS1/16SS102J
	CAPACITORS		R7002- R7004, R7024	RS1/16SS103J
_	C5701 (47microF/16V)	ACH1391	R7006, R7009, R7012	RS1/16SS220J
D	C5709, C5710	CCSRCH150J50	R7011	RS1/16SS820J
	C5721-C5737	CKSRYB103K50	Other Resistors	RS1/16S###J
	C5702-C5708, C5711, C5712	CKSSYF104Z16	Other resistors	110 1/100πππ0
	C5714-C5718	CKSSYF104Z16	071170	
			<u>OTHERS</u>	
	DECICTORS		K7001-K7003 TEST PIN	AKX9002
_	RESISTORS	D.D.(00):	X7001 (85MHz)	ASS1174
	R5703-R5706, R5708-R5712, R5714	RAB4CQ100J	, ,	
	R5717, R5721, R5735, R5739-R5750	RAB4CQ100J		
	R5755, R5756, R5762, R5763	RAB4CQ100J	[IC3 BLOCK]	
	R5768-R5771	RAB4CQ100J		
	R5728-R5734, R5782-R5787	RAB4CQ103J	<u>SEMICONDUCTORS</u>	
			IC7102	24LC02B(I)SN
	Other Pecietors	DC1/16C### I	IC7101	PD5855A
Ε	Other Resistors	RS1/16S###J		
			COIL & AND EILTERS	
	<u>OTHERS</u>		COILS AND FILTERS	
	CN5701 120P PCI BUS SOCKET	AKP1220	F7101, F7102	ATF1194
	X5701 CERAMIC RESONATOR	ASS1169		
	ACTOR GENERAL TREGORATION		CAPACITORS	
			C7103, C7120, C7138 (100microF/6.3V) ΔCH1306
	IDUO OWO DI COICI		•	,
	[BUS SW2 BLOCK]		C7141	CCSRCH100D50
	SEMICONDUCTORS		C7101, C7102, C7104-C7119	CKSSYF104Z16
	IC5801	PD6435A	C7121-C7137, C7139, C7140, C7142	CKSSYF104Z16
	100001	. 50-00/		
	0.4.04.04.000		RESISTORS	
	<u>CAPACITORS</u>			DAD4COOOL
_	C5801 (47microF/16V)	ACH1391	R7102, R7105-R7108, R7110, R7111	RAB4CQ330J
F	C5809, C5810	CCSRCH150J50	R7128, R7129, R7132, R7133	RAB4CQ330J
	C5802-C5808, C5811, C5812	CKSSYF104Z16	R7136, R7137	RAB4CQ330J
	C5814-C5818	CKSSYF104Z16	R7154	RAB4CQ470J
	33017 03010	5.0011 10 1 210	R7125, R7142	RS1/16SS0R0J
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PDP-5004

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Mark No. Description	Part No.	Mark No. Description	Part No.
R7120, R7150, R7151	RS1/16SS101J	R7228, R7230, R7249, R7251, R7262	RS1/16SS470J
R7101	RS1/16SS103J	R7263, R7278, R7279, R7310, R7315	RS1/16SS470J
R7103, R7104, R7112, R7114, R7122		R7316, R7318, R7339	RS1/16SS470J
R7126, R7127, R7130, R7131, R7134		Other Resistors	RS1/16S###J A
R7135, R7138, R7139, R7152	RS1/16SS330J	OTHERS	
R7149	RS1/16SS472J	CN7201 8P PLUG	AKM1225
Other Resistors	RS1/16S###J	X7201 CERAMIC RESONATOR	ASS1170
		CN7204 3P TOP POST	B3B-EH
OTHERS	A1/A44040		
CN7101 114P FFC CONNECTOR K7101, K7102 TEST PIN	AKM1216 AKX9002		
·	711010002	AV I/O ASSY	
[IC3 FLASH BLOCK]		[AV I/O BLOCK]	
<u>SEMICONDUCTORS</u>		SEMICONDUCTORS	
IC7152	MBM29PL3200BE70PFV	IC7609	24LCS21A B
		IC7610	AN5870SB
CAPACITORS		IC7602, IC7606, IC7607, IC7613	BA4558F-HT
C7152, C7153, C7155-C7158, C7160	CKSSYF104Z16	IC7603	BD3869AF
C7162	CKSSYF104Z16	IC7604	NJM78L09UA
DECICTORS			
RESISTORS	D04/40004701	IC7612	PCM1742KE
R7155- R7160	RS1/16SS472J	IC7601	1C4032DF1
		IC7611	TC74VHCT541AFT
744 IN 1100M DI 001/3		Q7602, Q7603, Q7606, Q7611, Q7612	
[MAIN UCOM BLOCK]		Q7604, Q7605, Q7610	2SC4116
<u>SEMICONDUCTORS</u>		07607 07600	DTC104EUA
IC7205	24LC128(I)SN	Q7607, Q7608	DTC124EUA
IC7201, IC7204	74VHCT00AMTC	Q7601	RN1902 C
IC7207	MB91F355APMTGE1	Q7609	SM6K2
IC7210	PST3612UR	D7601, D7614	1SS301
IC7203, IC7206	PST3628UR	D7606-D7608, D7610-D7613	1SS302
IC7209	TC74VHC08FT	D7619	1SS355
IC7202	TC74VHC125FT	D7602, D7603, D7605, D7609	UDZS5R6(B)
IC7208	TC74VHCT541AFT	D7604	UDZS6R8(B)
Q7201	2SJ461A		
Q7202	DTC124EUA	COILS AND FILTERS	
		F7601	ATF1194
D7202	1SS355		
D7203	SML-310MT	<u>CAPACITORS</u>	5
		C7659, C7669	CCSRCH181J50 D
CAPACITORS		C7673, C7674	CCSRCH220J50
C7205, C7236 (47microF/16V)	ACH1391	C7658, C7672	CCSRCH681J50
C7143, C7203	CCSRCH220J50	C7676, C7678, C7680, C7682	CCSSCH221J50
C7213, C7218	CCSRCH7R0D50	C7646, C7651-C7653	CEHAT100M50
C7248-C7249	CKSRYB102K50		
C7235, C7245	CKSRYB103K50	C7654	CEHAT101M10
C7226, C7237	CKSRYB104K16	C7665, C7670	CEHAT101M16
		C7623, C7648	CEHAT220M50
C7230, C7242	CKSRYB104K25	C7638, C7643, C7645, C7705	CEHAT221M6R3
C7216	CKSRYB472K50	C7714, C7716, C7718	CEHAT331M10
C7201, C7202, C7209-C7212	CKSSYF104Z16		
C7214, C7215, C7219-C7225	CKSSYF104Z16	C7619, C7635, C7637, C7697	CEHAT470M16 E
C7227-C7229, C7232-C7234, C7238	CKSSYF104Z16	C7601, C7602, C7609, C7610, C7614	CKSQYB225K10
		C7616, C7629, C7631, C7632, C7639	CKSQYB225K10
C7240, C7241, C7243, C7244	CKSSYF104Z16	C7627, C7628, C7640, C7650	CKSRYB102K50
C7246, C7247	CKSSYF104Z16	C7660, C7661, C7666, C7683, C7685	CKSRYB103K50
RESISTORS		C7687, C7712, C7713, C7715, C7717	CKSRYB103K50
R7231	RAB4CQ0R0J	C7603, C7620, C7662, C7663, C7667	CKSRYB105K10
R7229	RAB4CQ101J	C7684, C7686, C7688	CKSRYB105K10
R7256	RAB4CQ101J	C7633, C7656	CKSRYB471K50
R7218, R7219, R7284-R7286, R7301		C7675, C7677, C7679, C7681	CKSSYB102K50
R7309, R7311-R7314, R7317	RAB4CQ470J		
		C7615, C7617, C7618, C7624-C7626	CKSSYF104Z16
R7201	RAB4CQ472J	C7630, C7634, C7636, C7641, C7642	CKSSYF104Z16 F
R7212, R7232	RS1/16S1202F	C7644, C7649, C7655, C7657, C7664	CKSSYF104Z16
R7208, R7209, R7216, R7217	RS1/16SS0R0J	C7668, C7671, C7704, C7706	CKSSYF104Z16
R7207, R7221- R7223, R7225, R7226	8 RS1/16SS470J	C7708-C7711	CKSSYF104Z16
		DDB 5004	81
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	Mark No. Description		Mark No.	Description	Part No.
	RESISTORS	<u>- 4</u>			<u> </u>
	R7653, R7654, R7673, R7674	RS1/16S1002F	COILS AND	FILTERS	
	R7712, R7725	RS1/16S2201F	F6804-F6806		ATF1194
١.	R7699-R7701	RS1/16S27R0F	F6807, F680	8	ATF1211
	R7709-R7711	RS1/16S75R0F	L6804		ATH1184
	Other Resistors	RS1/16S###J			
	OTHERS		CAPACITOR	<u>RS</u>	0000011004150
	OTHERS	AVD1041	C6923	F 06067 06060	CCSRCH221J50
	JA7606 15P D-SUB SOCKET K7601. K7602 TEST PIN	AKP1241 AKX9002		5, C6867, C6869 4, C6879, C6881, C6884	CCSSCH101J50 CCSSCH101J50
	JA7601, JA7602 JACK	DKB1031		8, C6892, C6908, C6910	CCSSCH101J50
	CN7601 PLUG(15P)	KM200NA15		4, C6917, C6920	CCSSCH101J50
	` ,				
			C6921		CCSSCH221J50
	[IF UCOM BLOCK]		C6891 C6860		CEHAT100M50 CEHAT101M10
3	SEMICONDUCTORS	0.41.004.0	C6823, C682	5	CEHAT220M50
	IC8705 IC8702	24LC01B	C6902	.0	CEHAT221M16
	IC8702 IC8703	HD64F3687FP PST9230N	3332		0
	IC8701	TC74VHC08FT	C6878, C691	6, C6922	CEHAT221M6R3
	IC8704	TC7W126FU	C6877		CEHAT470M16
_			C6905	4 00075 00000	CEHAT471M10
	Q8701	2SJ461A	C6859, C686 C6903, C690	1, C6875, C6896	CKSRYB471K50 CKSRYF104Z16
	Q8708	DTA124EUA	00903, 0090	4, 00900	CK3H11104Z10
	Q8702	DTC124EUA	C6893		CKSSYB473K16
	COILS AND FILTERS		C6890		CKSSYF103Z50
	L8703	LCTAW221J3225		1, C6842, C6858	CKSSYF104Z16
)	L8702	LCTAWR68J2520		3, C6866, C6868	CKSSYF104Z16
			C6870-C687	2, C6876, C6880	CKSSYF104Z16
	CAPACITORS		C6882, C688	3, C6885, C6887, C6889	CKSSYF104Z16
	C8706, C8707	CCSRCH120J50		7, C6909, C6911, C6913	CKSSYF104Z16
	C8708	CEHAT470M16	C6915, C691	8, C6919	CKSSYF104Z16
	C8704, C8718 C8717, C8720	CEHAT471M6R3 CKSRYB103K50	C6894		DCH1161
	C8722, C8724	CKSRYB471K50	DECICEODO		
	33.22, 33.2.	01.011.217.11.00	RESISTORS		DAD4004701
	C8709	CKSRYB472K50		3, R6926, R6933, R6935 8, R6953, R6960	RAB4CQ470J
	C8701-C8703, C8705, C8711-C87			4, R6927, R6934, R6936	RAB4CQ680J
	C8716, C8719, C8721, C8725	CKSSYF104Z16	R6954, R696		RAB4CQ680J
)	RESISTORS		R6831		RD1/2LMF1R0J
	R8719, R8720, R8723, R8724, R8	726 RAB4C101J	Doooo		D04/4000000E
	R8704	RAB4C103J	R6932 R6952		RS1/16S3900F RS1/16S3901F
	R8736	RS1/16S1302F	R6962-R696	7	RS1/16S75R0F
	Other Resistors	RS1/16S###J	R6950	•	RS1/16S91R0F
1	OTHERS		Other Resisto	ors	RS1/16S###J
	OTHERS	AKM1225	0711500		
	CN8701 PLUG 8-P K8701-K8703 TEST PIN	AKX9002	OTHERS	U 001 NEOTOD	ALCDAGGG
	X8702 CERAMIC RESONATOR	ASS1168	JA6802 HDIV	II CONNECTOR	AKP1232
	X8701 CRYSTAL OSCILLATOR	ASS1172	Other Resistors	;	
	CN8704 PLUG(6P)	KM200NA6			
•			DECICTOR		
	[HDMI BLOCK]		RESISTORS Other Resistor		RS1/16S###J
	SEMICONDUCTORS		Other nesist	015	n31/103###J
	IC6806	24LC02B(I)SN			
	IC6809	SI-8033JD	AUDIO	O AMP ASSY	
	IC6810 IC6802	SII9993CTG100 TC74HC4538AFT	SEMICOND	UCTORS	
	IC6804, IC6805, IC6807, IC6811	TC74LCX541FT	IC5002		BA4558F-HT
	100004, 100000, 100007, 100011	107420704111	⚠IC5003		LA4625
	Q6813	RN1902	<u></u> C5004		PQ12DZ11
	Q6816	SM6K2	⚠IC5001	7 05000	SI-8120S
	D6806, D6809, D6813	1SS301	Q5005, Q500	77, Q5008	2SA1586
	D6810, D6812	1SS302	Q5001, Q500)9	2SC4116
	D6816	D1FM3	Q5011, Q501		2SD2114K
	D6811	UDZS6R8(B)	Q5013		DTA124EUA
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Mark No.	Description	Part No.	<u>IV</u>	lark No.		Description	Part No.	
D5003	•	1SS301	_	D4901			1SS355	
D5001		1SS302	,	A DACITO)DC			
D5002		1SS355	_	CAPACITO	<u> </u>		CCCDCL1101 IE0	Α
D5002		RK46		C4905 C4901			CCSRCH101J50 CEAT470M16	A
20000		11110		C4901 C4903			CKSRYB102K50	
COILS AND	FILTERS			C4907			CKSRYB103K50	
L5002		ATH1159		C4902, C4	904		CKSSYF104Z16	
				,				
CAPACITOF	<u>RS</u>		<u>F</u>	RESISTOR	<u> </u>			•
C5049, C508	30	CEHAT101M16		Other Resi	stors		RS1/16S###J	_
C5045		CEHAT220M50						
C5010		CEHAT221M10	<u>(</u>	<u>OTHERS</u>				
C5022	10. 05004	CEHAT222M16		U4901 RE	MOTE	RECEIVER UNIT	RPM7240-H4	
C5047, C504	18, C5081	CEHAT2R2M50						
C5050		CEHAT330M25		00.7				В
C5005-C5008	8 C5016	CEHAT470M16				MINAL L ASS	Υ	
C5051	0, 00010	CEHATR47M50	<u> </u>	<u>SEMICON</u>	DUC	<u>TORS</u>		
C5019, C502	20	CEHAZL471M25		IC9752			MM1522XU	
	04, C5017, C5027	CKSRYB103K50		IC9751			MM3012XN	
C5055-C5058		CKSRYB104K25	<u>(</u>	COILS AN		<u>LTERS</u>		
C5043, C504	14	CKSRYB222K50		L9701, L97	702		ATF1206	
DEGIOTORO			,	0 4 D4 OIT	200			
RESISTORS			<u>(</u>	CAPACITO				
R5049-R5052		RD1/4MUF2R2J		C9703, C9		0744	CCSRCH101J50	
R5053-R5056	6	RS1/10S5R6J		C9706, C9		9711	CCSRCH221J50	
R5001	0 DE000 DE040	RS1/16S1502F		C9753, C9	756		CEAT470M16	С
	06, R5009, R5010 04, R5007, R5008	RS1/16S3301F RS1/16S6801F		C9754 C9752, C9	755		CKSRYB103K50 CKSRYB105K10	
n3003, n300	14, N3007, N3006	N31/1030001F		C9752, C9	755		CKSHIDIOSKIU	
Other Resisto	ors	RS1/16S###J		C9705			CKSRYB332K50	
0 11 10 1 1 100 10 10				C9707			CKSRYF473Z50	
OTHERS				C9751, C9	757		CKSSYF104Z16	
CN5002 PLU	JG(6P)	KM200NA6						
5001 SCREV		VBB30P100FNI	F	RESISTOR	RS			
KN5001, KN5		VNF1084		R9703, R9	704		RD1/2MMF100J	
WRAP	PPING TERMINAL			R9757, R9			RS1/16S1001F	
				Other Resi	stors		RS1/16S###J	
VIDEO	O SLOT I/F ASS	Y	<u>(</u>	<u>OTHERS</u>				D
SEMICOND	UCTORS					ER TERMINAL 2-P	AKE1041	
IC8952		24LC01B		CN9702 P	LUG(6	P)	KM200NA6	
Q8953		DTC124EUA						
D8951, D895	52	UDZS5.6B		00.7		AINIAI DAGG		
						MINAL R ASS	ΣΥ	_
COILS AND	FILTERS		<u>(</u>	COILS AN	ID FI	<u>LTERS</u>		
L8951		ATX1008		L9801, L98	302		ATF1206	
0.4.04.017.05				0 4 D4 OIT				
CAPACITOR	<u> 15</u>		<u>(</u>	CAPACITO				
C8952		CEHAT470M16		C9804, C9		0011	CCSRCH101J50	
C8953		CKSSYF104Z16		C9801, C9	808-C	9811	CCSRCH221J50	Е
DECICTORS				C9806 C9807			CKSRYB332K50 CKSRYF473Z50	_
RESISTORS		DO4/400####		C9607			UNSN17473230	
Other Resisto	ors	RS1/16S###J		RESISTOR	25			
OTHERS			-	R9803, R9			RD1/2MMF100J	
	/FT100 D	AI/D1010		Other Resi			RS1/16S###J	
CN8953 SOK CN8954 PCI		AKP1219 AKP1251		C.1101 1 1031	3.013		1.0 1, 100mm	
CN8954 PCR CN8955 SOK		AKP1251 AKP1253	(OTHERS				
	8952 GROUND PLATE	ANK1664	_		ΡΕΔΚΙ	ER TERMINAL 2-P	AKE1041	
CN8952 L-PL		KM200NA11L		01 N3002 3	. rul/[AIL IUTI	
,	- (
				AV I	O IF	ASSY		
IR REC	CEIVE ASSY		(OTHERS		= # =		F
SEMICOND			_	CN2101 P	CISOr	FT120-P	AKP1220	•
Q4901		2SC4116		OINZ IUI F	JIJON		/ II I I I I I I I I I I I I I I I I I	
D4902		1SS302						

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Mark No. Description	Part No.	Mark No. Description	Part No.
COMM SLOT I/F ASS		D9004	1SS355
SEMICONDUCTORS		COILS AND FILTERS	
IC8901	TC74VHC00FT	F9001-F9006	DTL1069
Q8902 D8901, D8902	2SC4116 1SS355		
D0301, D0302	100000	<u>CAPACITORS</u>	
COILS AND FILTERS		C9006-C9008	CCSRCH101J50
L8901	LCTAW221J3225	C9005 C9001-C9003	CEAT470M16 CKSRYB472K50
		C9004	CKSSYF104Z16
<u>CAPACITORS</u>	01(05)(5404)(05	55551	01.0011 101210
C8902 C8901	CKSRYB104K25 CKSSYF104Z16		
C0901	CR3311104210	<u>RESISTORS</u>	
RESISTORS		R9008	RAB4C182J
Other Resistors	RS1/16S###J	Other Resistors	RS1/16S###J
		OTHERS	
<u>OTHERS</u>		CN9002 6P FFC CONNECTOR	AKM1208
CN8904 EDGE CARD CONN CN8902 L-PLUG (10P)	AKP1252 KM200NA10L	X9001 CERALOCK	ASS1162
CN8902 L-PLUG (10P) CN8903 L-PLUG (11P)	KM200NA11L	CN9001 L-PLUG (3P)	KM200NA3L
CN8905 L-PLUG (6P)	KM200NA6L		
,		FRONT KEY ASSY	
LED ASSY		SWITCHES AND RELAYS S9401-S9406	ASG1088
<u>SEMICONDUCTORS</u>		39401-39400	A3G1000
Q9652	DTC143EUA	OTHERS	
Q9651 D9652	RN2901 SML-310MT	CN9400 6P FFC CONNECTOR	AKM1208
D9651	SML-310WT		
2000.	S2		
<u>CAPACITORS</u>			
C9652-C9655	CCSRCH101J50	DIGITAL VIDEO ASSY	<i>,</i>
C9656	CKSRYB103K50 CKSSYF104Z16	[DIGITAL IF BLOCK]	
C9651	CK551F104Z16	COILS AND FILTERS	
RESISTORS		F5001, F5002, F5004, F5005	ATF1194
Other Resistors	RS1/16S###J	,,	
		<u>RESISTORS</u>	
		R5101-R5115, R5131	RAB4C470J
COMM SLOT ASSY		Other Resistors	RS1/16S###J
SEMICONDUCTORS		OTHERS	
IC9451	SP3232ECY	CN5001 114P FFC CONNECTOR	AKM1216
IC9454 IC9455, IC9456	TC74VHC00FT TC74VHC125FT	CN5002 PH 10P CONNECTOR	AKM1281
100400, 100400	107411012311	K5002-K5004, K5007 TEST PIN	AKX9002
<u>CAPACITORS</u>			
C9455	CEJQ470M6R3	[MODULE UCOM BLOCK]	
C9452, C9473, C9475, C9477	CKSRYB471K50	SEMICONDUCTORS	
C9451, C9453, C9454, C9457, C9458 C9472, C9474, C9476	CKSSYF104Z16 CKSSYF104Z16	IC5206	24LC04B(I)SN
00472, 00474, 00470	010011104210	IC5201	M30626FHPGP-P
<u>RESISTORS</u>		IC5205	PST3628UR
Other Resistors	RS1/16S###J	IC5208 IC5213	TC74VHC08FT TC74VHC123AFT
0711500		103213	10/4V10123AF1
OTHERS	ALCD4040	IC5214, IC5215	TC74VHC32FT
JA9453 9P D-SUB SOCKET 3214 SLOT PANEL S(F)	AKP1240 ANG2695	IC5211, IC5212	TC74VHC541FT
3526 HEXAGON HEADED SCREW	BBA1051	IC5209	TC7W126FU
3500 SCREW	BMZ30P060FZK	Q5201 D5207-D5212	2SJ461A 1SS301
9451 SCREW TERMINAL	VNE1949	D0201-D0212	100001
		D5217, D5218	1SS355
KEY CONTROL ASSY	,	D5201	SML-310LT
	1	CWITCHES	
SEMICONDUCTORS	DDE7104	SWITCHES SE201	A C L 1 C 4 7
IC9001 Q9001	PD5719A 2SC4116	S5201	ASH1047
D9001-D9003, D9005-D9007	1SS302		
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PDP-5004

<u> Mark No.</u>	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
CAPACITOR	•	_	C5401. C54	113, C5417, C5424	ACH1396	
C5213, C522		ACH1357	(100micro			
	23, C5231, C5245-C5262	CKSRYB102K50	C5434, C54	,	CKSRYB102K50	
C5264	10, 00201, 00240 00202	CKSRYB102K50	C5402-C54	12, C5414-C5416	CKSSYF104Z16	Α
C5232		CKSRYB104K16		23, C5425-C5431	CKSSYF104Z16	
C5263		CKSRYB104K25		-,		
03200		01(0111111041(25)	RESISTOR	s.		
C5230		CKSRYB105K6R3	R5406, R54		RAB4C101J	
C5205		CKSRYB472K50	•	13, R5415, R5416, R5419		
	4, C5208, C5210-C5212	CKSSYF104Z16	R5422	10, 110+13, 110+10, 110+13	RAB4C220J	_
	24, C5226, C5227	CKSSYF104Z16	R5405		RS1/16S5601F	
C5243, C524		CKSSYF104Z16	Other Resis	etors	RS1/16S###J	
03240, 0324	**	0110011104210	Other resis	51013	1101/100###0	
RESISTORS	2		OTHERS			
	<u>2</u> 11, R5212, R5235	RAB4C101J	K5401 TES	ET DINI	AKX9002	
	55, R5265, R5266	RAB4C101J	K5401 TES	OI FIIN	ANA9002	
	00, H0200, H0200					В
R5205	71	RAB4C103J	IADDDECO	CN DI OCKI		
R5270, R527		RAB4C472J	_	CN BLOCK]		
R5256, R525) <i>(</i>	RAB4C474J	RESISTOR			
Other Deet	0.40	D04/400####	Other Resis	stors	RS1/16S###J	
Other Resist	UIS	RS1/16S###J	<u>OTHERS</u>			
THE DO			CN5521 50	P CONNECTOR	AKM1201	
<u>OTHERS</u>			⚠ CN5501-CN	N5508 40P CONNECTOR		
CN5201 8P		AKM1225	CN5511 30	P CONNECTOR	AKM1218	
	3P CONNECTOR	AKM1274	21.22.7		-	
K5201 TES		AKX9002				
Ŷ X5201 (16M	lHz)	ASS1178				
			[DIGITAL DI	D CON BLOCK]		
			SEMICONI			С
PANEL FLA	SH BLOCK]		<u>SEIIIIOSTT</u>	30010110	PQ05DZ11	•
SEMICOND	UCTORS		∴ IC5602		PQ09DZ11	
IC5305		MBM29PL160BD-75		203	HN1C01FU	
IC5303		PST3612UR	Q5605	503	RN1901	
IC5301		PST3628UR		603, D5609, D5610	1SS355	
IC5302		TC74VHC08FT	D3002, D30	003, D3009, D3010	133333	_
Q5301		RN1901	D5601		HZU2.2B	
			D5604		UDZS5.1B	
D5301-D531	0	1SS302	D3604		UDZ33.1B	
			CADACITO	DC		
CAPACITOR	35		CAPACITO			
C5320		CCSRCH470J50		603, C5607, C5614, C5616	ACH1394	
C5304, C530	17	CKSRYB102K50	(100micro	,	01/07//7/001/70	D
C5311, C531		CKSRYB104K16		604, C5615, C5617	CKSRYB103K50	
C5303, C530		CKSRYB472K50	C5605, C56	506, C5610	CKSSYF104Z16	
	02, C5305, C5309, C5313	CKSSYF104Z16				
05501, 0550	, OJJOJ, OJJOB, OJJIS	UNUU 11 104210	RESISTOR	<u>IS</u>		
C5316		CKSSYF104Z16	R5601		ACN1162	
05510		UNUU 11 104Z 10	R5627		ACN1168	_
DECICTOR	2		Other Resis	stors	RS1/16S###J	
RESISTORS		DADAGGG				
R5317, R531		RAB4C101J	<u>OTHERS</u>			
Other Resist	ors	RS1/16S###J		H 7P CONNECTOR 7P	AKM1278	
ATILIED				H 11P CONNECTOR 11P	AKM1282	
<u>OTHERS</u>						
CN5301 15F		AKM1232				Е
K5301 TEST		AKX9002				
1 X5302 (85MI		ASS1174	VIDE	O SLOT2 ASSY		
1 X5301 (60MI	Hz)	ASS1176				
			[INPUT REC	-		
			<u>SEMICONI</u>	DUCTORS		
IC4 BLOCK			IC7804		BA4558F-HT	
SEMICOND	-		<u></u> IC8104		PQ015YZ01ZP	
IC5401		PD5856A	 ∆ IC8101		PQ05DZ11	
D5401		SML-310LT	 ∴ IC8102		PQ09DZ11	
D5402		SML-310MT	∴ IC8103, IC8	3105	PQ3DZ13	
		5 5 1 0 1 1 1				
COILS AND	FILTERS		IC7803		TC4052BFT	
		ATE1104	IC7801, IC7	7802	TK15420M	F
F5401, F540	3, F5409, F5410	ATF1194	Q7805		2SC4116	
~ A DA O!TO!	20		Q7803, Q78	304	DTC124EUA	
CAPACITOR	<u>15</u>		Q7806		HN1C01FU	
			PDP-5004			85
				_		

	Mark No. Description D7801-D7804, D7806-D7814	Part No. 1SS302	Mark No. Description L6255, L6256	Part No. LCTAW330J2520
	D8106, D8107	1SS302	O A DA OITO DO	
	D7815, D8101-D8105	1SS355	<u>CAPACITORS</u>	0000001400450
Α	COILS AND FILTERS F8101-F8103	ATF1194	C6305, C6306, C6312, C6313 C6272, C6274, C6288, C6290 C6249, C6250 C6273, C6289	CCSRCH120J50 CCSRCH220J50 CCSRCH471J50 CCSRCH680J50
	<u>CAPACITORS</u>		C6295, C6321, C6322, C6327-C6330	CEHAT101M10
	C7850	CEHAT100M50	_	
	C8105, C8114, C8125, C8130	CEHAT101M10	C6324	CEHAT470M16
	C8112	CEHAT101M16	C6297	CKSQYB225K10
	C7808	CEHAT220M50	C6258, C6260 C6265, C6268, C6282, C6285	CKSRYB102K50 CKSRYB104K16
	C8101, C8131	CEHAT221M16	C6299, C6300, C6309, C6310, C6316	
	C8122	CEHAT221M6R3	,,,,,	
_	C7801, C7847, C7848, C8107, C8109		C6323	CKSRYB104K16
В	C8116	CEHAT470M16	C6201, C6301, C6314	CKSRYB105K10
	C7806	CEHAT471M16	C6251, C6253-C6257, C6259	CKSSYF104Z16
	C7821, C7825, C7835, C7840, C7851	CEHAT4R7M50	C6261, C6262, C6267, C6269-C6271	CKSSYF104Z16
	07050 07055	OF LIAT 4D 78 450	C6275-C6279, C6284, C6286, C6287	CKSSYF104Z16
	C7853, C7855 C7827, C7828, C7842, C7843	CEHAT4R7M50 CKSRYB102K50	C6291-C6294, C6296, C6298	CKSSYF104Z16
	C7827, C7828, C7842, C7843 C7857, C7858	CKSRYB102K50	C6302-C6304, C6307, C6308, C6311	CKSSYF104Z16
	C7803, C7812, C7814, C7815	CKSRYB103K50	C6315, C6317-C6320, C6325, C6326	CKSSYF104Z16
	C7813, C7816, C7817	CKSRYB105K10	C6252	DCH1165
	C7823, C7824, C7839, C7844, C7854	CKSRYB221K50	<u>RESISTORS</u>	
	C7859	CKSRYB221K50	R6251-R6254, R6271, R6275, R6276	
С	C7802, C7807, C7820, C7830	CKSSYF104Z16	R6329-R6331	RAB4CQ103J
	C8102-C8104, C8106, C8108	CKSSYF104Z16	R6321, R6322, R6334, R6335, R6339 R6273, R6289	
	C8110, C8111, C8113, C8115, C8121	CN351F104Z16	R6305, R6314	RS1/16S1001F RS1/16S1101F
	C8124, C8126-C8129, C8132	CKSSYF104Z16	1100005, 110014	1101/10011011
	30.2., 30.20 30.23, 30.02	0.100.1.10.2.10	R6291, R6309, R6313	RS1/16S1301F
			R6323	RS1/16S2400F
	<u>RESISTORS</u>		R6277, R6288	RS1/16S2701F
	R8113	RS1/16S1001F	R6264, R6281	RS1/16S4700F
	R8112	RS1/16S5100F	R6306, R6307	RS1/16S8201F
	R7808, R7809, R7822, R7823, R7834		R6255	RS1/16SS100J
	R7836, R7837 R8106, R8118	RS1/16S75R0F RS1MMF100J	Other Resistors	RS1/16S###J
_	no 100, no 110	LO LIMIMIL 1000		. 10 1, 100
D	R8108, R8119-R8121	RS1MMF390J	<u>OTHERS</u>	
	Other Resistors	RS1/16S###J	X6251 CRYSTAL OSCILLATOR	ASS1175
	<u>OTHERS</u>			
	CN7801 DIN SOCKET	AKP1217	[IC1(CVBS)BLOCK]	
	JA7801-JA7803 JACK	DKB1031	<u>SEMICONDUCTORS</u>	
	JA7804 JACK JA7805 JACK	VKB1134	IC6106	IC42S16100-7TG
	7801, 7802 SCREW TERMINAL	VKB1150 VNE1949	IC6107 IC6102-IC6105	PD0278A TC7SHU04FU
	7001, 7002 0011244 121114114712	VIVE 10-10	Q6103	DTC124EUA
			Q6101, Q6102	HN1A01FU
_	[IC1(Y/C)BLOCK]			
Ε	<u>SEMICONDUCTORS</u>		Q6107	HN1B04FU
	IC6257	24LC01B		
	IC6255	PD0278A	COILS AND FILTERS	
	IC6251-IC6254	TC7SHU04FU	F6102, F6103, F6105, F6106	ATF1194
	IC6256	TC7W126FU	L6101, L6103	LCTAW120J2520
	Q6255	2SJ461A	L6102, L6104 L6108	LCTAW150J2520 LCTAW220J2520
_	Q6258	DTA124EUA	L6106	LCTAW330J2520
	Q6251, Q6253	HN1A01FU		
	Q6256, Q6257	HN1B04FU	<u>CAPACITORS</u>	
			C6171, C6172	CCSRCH120J50
	COILS AND FILTERS		C6126, C6128, C6142, C6144	CCSRCH220J50
F	F6251-F6254	ATF1194	C6127, C6143	CCSRCH680J50
	L6251, L6253	LCTAW120J2520	C6102, C6106, C6115, C6149, C6155	
	L6252, L6254 L6257	LCTAW150J2520 LCTAW220J2520	C6182, C6184, C6186	CEHAT101M10
	LUZUI	LUIMVVZZUUZUZU		
	86	PDP-5	5004	
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Mark No.	Description	Part No.		Mark No.		Description	Part N	<u>o.</u>
C6105		CEHAT470M16						
C6151 C6112, C6114		CKSQYB225K10 CKSRYB102K50		OTHERS	T DANI	EL 060 (CM)	ANC0710	
,	, C6136, C6139	CKSRYB104K16		3201 SCRI		EL 262 (CM)	ANG2710 BMZ30P0	
C6153, C6154,	, C6168, C6177	CKSRYB104K16		3202 SCRI			BPZ30P08	
C6101, C6175,	, C6190	CKSRYB105K10						
C6103, C6104,	, C6107-C6111, C6113	CKSSYF104Z16						
C6116, C6121,	, C6123-C6125 C6138, C6140, C6141	CKSSYF104Z16 CKSSYF104Z16						
C6145-C6148,		CKSSYF104Z16						
C6156-C6161	C6166, C6167, C6170	CKSSYF104Z16						
	, C6176, C6178-C6181	CKSSYF104Z16						
C6183		CKSSYF104Z16						
RESISTORS								
	, R6178, R6180	RAB4CQ0R0J						
R6101, R6104	-R6106, R6120	RAB4CQ100J						
R6124, R6125 R6153-R6155		RAB4CQ100J RAB4CQ103J						
R6210-R6213		RAB4CQ121J						
R6146, R6159	R6184	RAB4CQ330J						
R6156, R6160	, R6161, R6194, R6195	RS1/16S1000F						
R6122, R6140 R6175		RS1/16S1001F						
R6147, R6174		RS1/16S1101F RS1/16S1301F						
Dodoo		D04/4000400E						
R6196 R6126, R6138		RS1/16S2400F RS1/16S2701F						
R6113, R6129		RS1/16S4700F						
R6167, R6168 R6107		RS1/16S8201F RS1/16SS100J						
110107		1101/10001000						
R6157, R6158, Other Resistors	, R6182- R6183	RS1/16SS330J RS1/16S###J						
Other Resistors	5	N31/103###J						
[SINGLE SW I	BI OCKI							
SEMICONDU	_							
IC7902		AN5870SB						
IC7908 IC7907		TC74VHC08FT TC74VHC126FT						
IC7905		TC74VHCT541AFT						
Q7903, Q7905	, Q7910	DTC124EUA						
Q7913, Q7916		HN1A01FU						
Q7901, Q7906	, Q7911, Q7915	HN1C01FU						
Q7914		RN1902						
CAPACITORS	<u>S</u>							
C7923, C7925,	, C7926	CEHANP470M10						
C7905 C7902 C7928	, C7929, C7931	CEHAT101M10 CEHAT470M16						
C7908, C7912	, C7917	CEHAT471M16						
C7907, C7911,	, C7916	CKSRYB103K50						
C7924, C7927	, C7930	CKSRYB105K10						
	, C7910, C7914, C7918	CKSRYF103Z50						
	, C7913, C7915 C7932, C7943	CKSSYF104Z16 CKSSYF104Z16						
RESISTORS	, R7910, R7914	RAB4CQ0R0J						
R7917, R7918,	•	RAB4CQ0R0J						
R7903	D7010	RAB4CQ103J						
R7905, R7909, R8040-R8042	, n/912	RS1/16S27R0F RS1/16S75R0F						
	_							
Other Resistors	5	RS1/16S###J						87
_	5 =	6	PDP-	5004	7	_		Ω

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6. ADJUSTMENT



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1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. If the adjustment is shifted or if it becomes necessary to readjust because of part replacement, etc., perform the adjustment as described below.

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- 2. Any value changed in Service/Factory mode will be stored in memory as soon as it is changed. Before readjustment, take note of the original values for reference in case you need to restore the original settings.
- 3. Use a stable AC power supply.

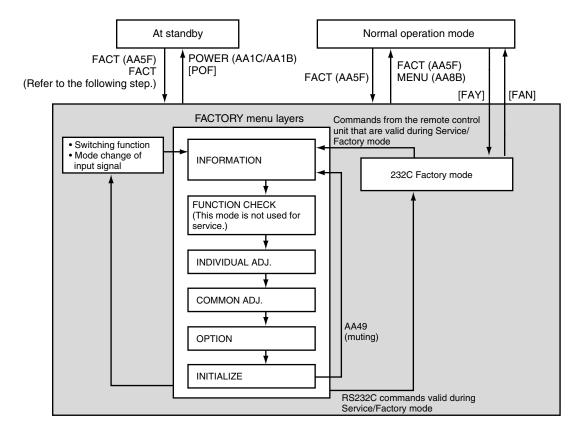
6.1 ADJUSTMENT REQUIRED WHEN THE SET IS REPAIRED OR REPLACED

POWER SUPPLY Unit	No adjustment required
DIGITAL VIDEO Assy	Copy of backup data requires. • When adjust with the service factory mode, refer to "10.DIGITAL EEPROM" of "6.2 SERVICE FACTORY MODE • When adjust with the command, refert to "7.1.6 BACKUP THE ADJUSTMENT VALUES FOR THE MAIN UNIT."
50 X DRIVE Assy	No adjustment required
0 Y DRIVE Assy	No adjustment required
AV I/O Assy	No adjustment required
RGB Assy	No adjustment required
/IDEO SLOT Assy	No adjustment required
Other assemblies	No adjustment required
Service Panel	Refer to "6.4 METHOD FOR REPLACING THE SERVI
l When any part in the follow	ing assemblies is replaced
DOWED CLIPPLY II II	The assembly must be replaced as a unit, and no part
POWER SUPPLY Unit	replacement is allowed.
	replacement is allowed. No adjustment required
IGITAL VIDEO Assy	
IGITAL VIDEO Assy 0 X DRIVE Assy	No adjustment required
OWER SUPPLY Unit PIGITAL VIDEO Assy 0 X DRIVE Assy 0 Y DRIVE Assy V I/O Assy	No adjustment required No adjustment required
O X DRIVE Assy O Y DRIVE Assy	No adjustment required No adjustment required No adjustment required No adjustment required Replacement and repair of IC6810, IC7610 and IC8705
GITAL VIDEO Assy O X DRIVE Assy O Y DRIVE Assy / I/O Assy	No adjustment required No adjustment required No adjustment required No adjustment required Replacement and repair of IC6810, IC7610 and IC8705 are impossible. Replacement and repair of IC6001, IC6401, IC6403,

7

Commands in Service/Factory mode must be issued using the remote control unit supplied with the Plasma Display.

■ State Transition Diagram



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6.3 HOW TO ENTER FACTORY MODE

For adjustments, it is necessary to enter Service/Factory mode. There are two ways to enter Service/Factory mode: by using the remote control unit, or by using RS232C commands from your PC.

3

When the unit is in Standby (STB) Mode

• Please refer to the technical document (Service Knowhow)

When the power is on

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No.	Method	Procedures			
1	Remote control unit	When the conventional Service/Factory code (AA5F) is sent, the unit will enter Service/Factory mode.			
2	PC	Connect your PC via its RS232C port, and send the FAY command.			

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■ Operation when Service/Factory mode is entered

• Functions whose settings are set to OFF

The settings of the following functions are set to OFF when Service/Factory mode is entered (including when this mode is entered by receiving the FAY command):

- SPLIT (The display will become that of the main input.) (for PDP-5004, PDP-4304 only)
- MASK CONTROL

5

• ORBITER

User's setting data

User setting data are set as follows:

- Although user's adjustment data for video/audio adjustment and various adjustment are stored in memory, they are not reflected on the display.
- Although user's adjustment data for SCREEN are stored in memory, SCREEN adjustment data are reset to the default settings.
- Screen size and sound volume reflect user settings.
- The COLOR DECODING and SIGNAL FORMAT settings are reset to the default values.

■ Functions of the keys on the remote control unit in Service/Factory mode

SR Function	Main Function	Description
MUTING	Switching main items	For shifting to the next (top) main item
▼ (DOWN)	Switching subitems	For shifting to the next (downward) subitem
▲ (UP)	Switching subitems	For shifting to the previous (upward) subitem
◄ (LEFT)	Increasing adjustment value	For increasing adjustment value
► (RIGHT)	Decreasing adjustment value	For decreasing adjustment value
SET	Shifting layers	For shifting to lower or upper layer
INPUT *	Switching inputs	For switching the input to *
STANDBY/ON	POWER OFF	For turning off the power
FACTORY	Service/Factory OFF	For setting Service/Factory mode to OFF
MENU	Service/Factory OFF	For setting Service/Factory mode to OFF
SPLIT	Main screen/Sub screen change	MAIN ←→ SUB (for PDP-5004, PDP-4304 only)

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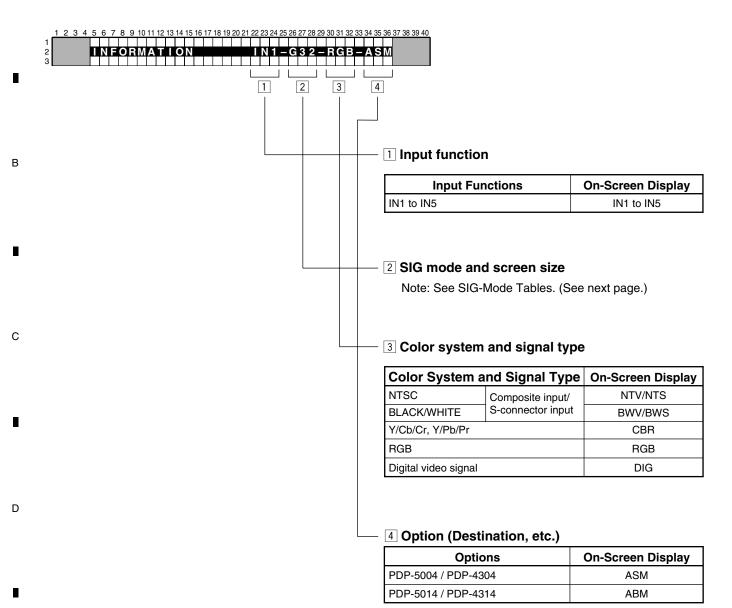
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1 2 3 4

■ Main-item indications

Four parameters are displayed:



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● SIG-Mode Table

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The signal mode is displayed in three characters:

First character: Resolution of the input signal (numerics for the video signals, and alphabetics for the PC signals) **Second character:** Grouping of the vertical frequencies

2nd Character	Reference Vertical Frequency	Area	Remarks
-	_	- 20.0	No signal
В		20.0 to 28.0	
С		28.0 to 45.0	
1	50	45.0 to 54.5	
2	56	54.5 to 58.2	
3	60	58.2 to 63.0	
4	66	63.0 to 68.0	
5	70	68.0 to 73.4	
6	For interpolation of 72-Hz	73.4 to 73.9	For distinguishing between 70-Hz or 75-Hz area
7	75	73.9 to 80.0	
8	85	80.0 to 88.5	
?	-	91.5 –	Out of range

Third character: Selection of the screen size by the user is displayed.

(O: available, ×: not available)

3rd Character	Description on GUI	VIDEO	PC
0	DOT BY DOT	×	0
1	4:3	0	0
2	FULL	0	0
3	ZOOM	0	×
4	WIDE	0	×
6	CINEMA	0	×

• SIG-Mode Table

SIG-Mode table for video signals

SIG-Mode	Signal Type	Vertical Freq. fv (Hz)	Horizontal Freq. fh (kHz)	Dot Clock (MHz)	Remarks
13*	SDTV • 480i	60.000	15.734	13.5	
33*	SDTV • 480p	60.000	31.469	27.000	
43*	HDTV • 1080i	60.000	33.750	74.250	
63*	HDTV • 720p	60.000	45.000	74.250	

^{*:} Represents the current screen-size selected.

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SIG-Mode table for PC signals

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SIG-Mode	Signal Type	Vertical Freq. fv (Hz)	Horizontal Freq. fh (kHz)	Dot Clock (MHz)	Remarks
A2*	640 × 400	56.422	24.825	21.052	Former 720 × 400
A5*	720 × 400	70.087	31.469	28.322	Former 640 × 400
A8*	720 × 400	85.050	37.861	35.438	New
B1*	640 × 480	49.673	24.688	19.750	640 × 480 For rescan (48/50Hz)
B3*		59.940	31.469	25.175	
B4*		66.666	35.000	30.240	-
B6*		72.809	37.861	31.500	-
B7*		75.000	37.500	31.500	-
B8*		85.000	43.300	36.000	
C1*	848 × 480	49.540	24.621	26.000	848 × 480 For rescan (48/50Hz)
C3*	1	60.000	31.020	33.750	-
D2*	800 × 600	56.250	35.158	36.000	
D3*		60.317	37.879	40.000	-
D6*		72.188	48.077	50.000	-
D7*		75.000	46.875	49.500	-
D8*		85.061	53.674	56.250	
E7*	832 × 624	74.550	49.725	57.283	
F1*	1024 × 768	48.003	38.690	52.000	1024 × 768 For rescan (48/50Hz)
F3*		60.004	48.363	65.000	
F5*		70.069	56.476	75.000	
F7*		75.029	60.023	78.750	-
F8*		84.997	68.677	94.500	-
G1*	1280 × 768	48.014	38.507	65.000	1280 × 768 For rescan (48/50Hz)
G2*	T	56.250	45.113	76.150	
G3*		59.870	47.776	79.500	-
G5*		69.843	56.014	95.000	-
O3*	1280 × 720	59.943	44.718	74.410	

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PDP-5004

^{* :} Represents the current screen-size selected.

INFORMATION mode

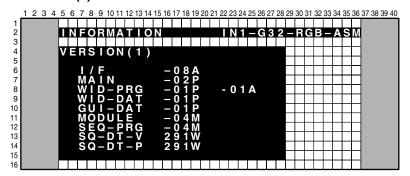
5

Select the main item "INFORMATION" using the MUTE key then select the subitems shown in the table below using the \triangle or ∇ key.

Operation items

No.	Function / Display	Content	232C Command
1	VERSION (1)	The flash memory versions for each device are displayed (1)	GS1
2	VERSION (2)	The type of video card inserted in the slot is displayed:	
3	SERIAL	For displaying the serial number of the product	GNP
4	PANEL PD	Power-down and its time of occurrence are displayed. The values can be cleared.	GPD
5	PANEL SD	Shutdown and its time of occurrence are displayed. The values can be cleared.	GNG
6	TEMPERATURE	Information on temperature is displayed.	GS2
7	HOUR METER	Cumulative power-on time is displayed. The value can be cleared.	GS2
8	PULSE METER	The pulse meter values at each block are displayed. The values can be cleared.	GPM
9	P ON COUNTER	The number of times the power was turned on is displayed. The value can be cleared.	GPC
10	DIGITAL EEPROM	The status of the backup data for the module microcomputer is displayed and updated.	GS2
11	HDMI SIGNAL INFO 1	The status-register data for the HDMI receiver are read out and	
12	HDMI SIGNAL INFO 2	displayed in hexadecimal notation.	_

1. VERSION (1)



The flash memory versions for each device are displayed.

On-Screen Display	Flash memory of Device
I/F	User IF microcomputer
MAIN	Main microcomputer
WID-PRG	Program for IC3, Boot program for IC3
WID-DAT	Extension Engin data for IC3
GUI-DAT	GUI data for IC3
MODULE	Module microcomputer
SEQ-PRG	Program for IC4
SQ-DT-V	Sequence data for IC4 (for VIDEO)
SQ-DT-P	Sequence data for IC4 (for PC)

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2. **VERSION** (2)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

INFORMATION IN1-G32-RGB-ASM

VERSION (2)

SLOT-DET 4G 5004R

Whether or not the video card has been inserted:

Device	Name Indication	Type of VIDEO SLOT Assy	Remarks	
SLOT-DET	SLOT-DET	(No indication)	No card inserted.	
		4G 5004R	The video card has been iserted correctly.	

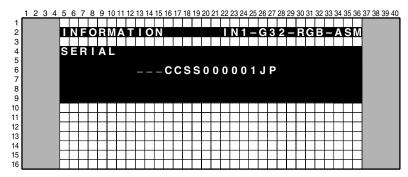
3. SERIAL

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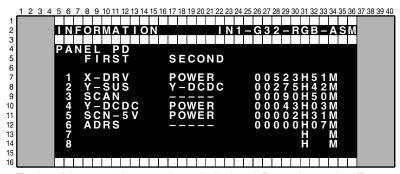
Ε



The serial number of the product is displayed.

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4. PANEL PD



The log of the past eight power-downs is displayed. Power-down points (first and second) and the hour meter value when the power-down was generated are displayed, with the latest power-down data at the top. The meanings of indications for power-down points are shown in the table below.

Power-down information

Type of Power-down	On-Screen Display	Type of Power-down	On-Screen Display
No corresponding item		Power-down of the Y-SUS system	Y-SUS
Power-down of the main power supply system	POWER	Power-down of the address system	ADRS
Power-down of the scanning system	SCAN	Power-down of the X-DRIVE circuitry	X-DRV
Power-down in the path between the scanning system and 5-V power supply	SCN-5V	Power-down of the X-DC/DC converter	X-DCDC
Power-down of the Y-Drive system	Y-DRV	Power-down of the X-SUS system	X-SUS
Power-down of the Y-DC/DC converter	Y-DCDC	Power-down of the driving IC power supply system	D-DCDC
PD which cannot be specified	UNKNOWN		

^{*1:} If an activated protection circuit could not be identified after the power-down, it is treated as an unidentifiable power-down (UNKNOWN).

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5. PANEL SD

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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 SUB

The log of the past eight shutdowns is displayed. Shutdown points and the hour meter value when the shutdown was generated are displayed, with the latest shutdown data at the top.

The meanings of indications for shutdown points are shown in the table below.

3

• Panel shutdown information

Type of Shutdown	On-Screen Display (MAIN)	Subcategory
Abnormality in IC4 communication	IC4	
Abnormality in module microcomputer IIC communication	MD-IIC	Exists.
DIGITAL-DCDC power decrease	RST2	
Abnormality in panel temperature	TEMP1	
Short-circuiting of the speakers	AUDIO	
Abnormality in module microcomputer communication	MODULE	
Abnormality in three-wire serial communication of the main microcomputer	MA-SRL	Exists.
Abnormality in main microcomputer IIC communication	MA-IIC	Exists.
Abnormality in main microcomputer communication	MAIN	
FAN stopped	FAN	
Abnormality in unit temperature	TEMP	Exists.
Abnormality in the ASIC power on the main microcomputer side	M-DCDC	
Other failures	ETC	Exists.

Subcategory information

- Subcategory information				
Type of Shutdown	Subcategory			
MD-IIC	EEPROM4K, EROM2K			
MA-SRL IF microcomputer, IC2 (IC7004)(IC8702), IC3 (IC7101)				
MA-IIC	MA-EEP (IC7205), IC1-V (IC6107), IC1-Y (IC6255), AD-M (IC6001), AD-S (IC6602), SL-EEP (IC6257), IC6/1 (IC5701), IC6/2 (IC5801), VOLIC (IC7603), HDMI 2 (IC6810)			
TEMP INSIDE/AIR (INSIDE = TEMP2/AIR = TEMP3)				
ETC	VCC-D1, VCC-D2, VCC-D4 (IC6809)			

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Data from each temperature sensor and the fan output value are displayed:

Temperature sensors [°C]
 PANEL: Sensor temperature of a panel part (Reference value)

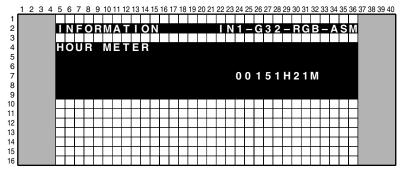
INSIDE: Temperature inside the unit (Reference value)

AIR: Ambient temperature around the unit (Reference value)

• Fan output: Fan output data

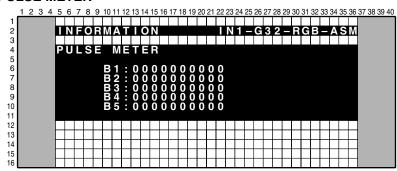
To update the temperature values or fan output data, use the [◄] or [▶] key.

7. HOUR METER



The cumulative power-on time is displayed.

8. PULSE METER



The cumulative number of pulses is displayed.

9. P ON COUNTER



The cumulative number of times the unit was turned on is displayed.

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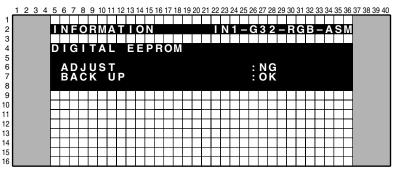
Ε

PDP-5004

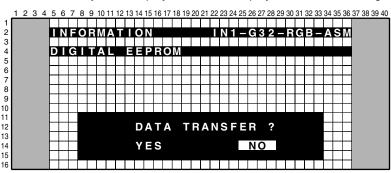
10. DIGITAL EEPROM

When the DIGITAL VIDEO Assy is to be replaced, the adjustment values in it are temporarily stored in the backup ROM then are written on the new Assy after replacement.

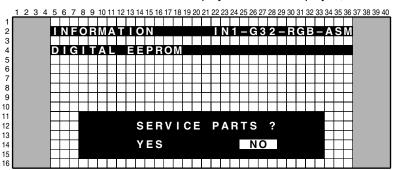
① Check if adjustment has been made on the DIGITAL VIDEO Assy or not (i.e., in the state of a new service part), and if the data on any adjustment values are retained in the backup ROM or not.



- ADJUST: OK (DIGITAL VIDEO Assy adjusted)
 - NG (DIGITAL VIDEO Assy not adjusted)
- BACKUP: OK (Adjustment data retained in the backup ROM)
 NG (Adjustment data not retained in the backup ROM)
- 2 Downloading the data for the DIGITAL VIDEO Assy from the backup ROM
 - Press the SET key while display ① above is displayed, and the following display will appear.



- Move the cursor to YES and press the SET key.
- The data in the backup ROM are copy to the DIGITAL VIDEO Assy.
- (When a new DIGITAL VIDEO Assy has been mounted, it now has the adjustment data suited for the panel.)
- Move the cursor to NO, and press the SET key.
 - Copy of the data to the DIGITAL VIDEO Assy will not be executed.
- 3 Clearing the data in the ROM of the DIGITAL VIDEO Assy
 - When YES or NO is selected while display ② above is displayed, the following display will appear.

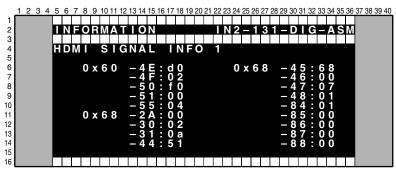


- Move the cursor to YES and press the SET key.
- The data in the ROM of the DIGITAL VIDEO Assy are cleared, and the Assy has no specific adjustment data.
- Move the cursor to NO and press the SET key. The data in the ROM of the DIGITAL VIDEO Assy are not cleared. When YES selected on display ② and the data were copy, select NO on this display.
- **Note:** When YES or NO is selected on display ③ above, the display returns to that of ① above.

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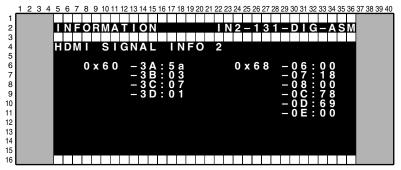
11. HDMI SIGNAL INFO 1

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- The status-register data for the HDMI receiver are read out and displayed in hexadecimal notation.
- If an input function other than HDMI is selected, the indication for HDMI is grayed, and the parameter indication is "--".
- To update the status data, use the left/right keys.

12. HDMI SIGNAL INFO 2



- The status-register data for the HDMI receiver are read out and displayed in hexadecimal notation.
- If an input function other than HDMI is selected, the indication for HDMI is grayed, and the parameter indication is "--".
- To update the status data, use the left/right keys.

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Adjustment of corresponding route unevenness

Basically, only replacement of service parts is required, and adjustment is not required.

No.	Command	Adjustment Parameter Name in Factory	Function	
1	VSG	CVY GAIN	IC1 MAIN GAIN adjustment (switching routes with the SWM [main] and SWS [sub] commands)	
2	VSO	CVY OFFSET	IC1 MAIN OFFSET adjustment (switching routes with the SWM [main] and SWS [sub] commands)	
3	RYG	RY GAIN	AD R GAIN adjustment (correction in differences between component- and RGB-system signals)	
4	GYG	GY GAIN	AD G GAIN adjustment (correction in differences between component- and RGB-system signals)	
5	BYG	BY GAIN	AD B GAIN adjustment (correction in differences between component- and RGB-system signals)	
6	ADC	AD MAIN CONTRAST	AD MAIN RGB GAIN adjustment (for main screen)	
7	MRG	AD MAIN R GAIN	AD MAIN R GAIN adjustment (for main screen)	
8	MGG	AD MAIN G GAIN	AD MAIN G GAIN adjustment (for main screen)	
9	MBG	AD MAIN B GAIN	AD MAIN B GAIN adjustment (for main screen)	
10	MRO	AD MAIN R OFFSET	AD MAIN R OFFSET adjustment (for main screen)	
11	MGO	AD MAIN G OFFSET	AD MAIN G OFFSET adjustment (for main screen)	
12	МВО	AD MAIN B OFFSET	AD MAIN B OFFSET adjustment (for main screen)	
13	SRG	AD SUB R GAIN	AD SUB R GAIN adjustment (for sub screen)	
14	SGG	AD SUB G GAIN	AD SUB G GAIN adjustment (for sub screen)	
15	SBG	AD SUB B GAIN	AD SUB B GAIN adjustment (for sub screen)	
16	SRO	AD SUB R OFFSET	AD SUB R OFFSET adjustment (for sub screen)	
17	SGO	AD SUB G OFFSET	AD SUB G OFFSET adjustment (for sub screen)	
18	SBO	AD SUB B OFFSET	AD SUB B OFFSET adjustment (for sub screen)	

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Reference: Commands for adjustment of differences in signals and memory cells used for storing adjustment values

• Basically no adjustment is required for the Service Assy, as it is properly adjusted before shipment.

Adjustment values to be stored in the EEPROM of the AV I/O (INDIVIDUAL mode)

Adjustment values differ depending on the input function, input signal format, and main/sub screen.

Innut and	Commands for Adjustment			
Input and Signal Format	Route for the Main Screen	Route for the Sub Screen		
INPUT1 (RGB)	RYG GYG BYG	RYG GYG BYG		
INPUT1 (Color difference)	RYG GYG BYG	RYG GYG BYG		

- Four adjustment tables are provided here, depending on the input function, input signal format, and main/sub screen.
- No adjustment is required for INPUT 2, which is of HDMI (digital video interface) standards.

Adjustment values to be stored in the EEPROM of the VIDEO SLOT 2 Assy

Adjustment values differ depending on the input function and main/sub screen.

Innut and	Commands for Adjustment		
Input and Signal Format	Route for the Main Screen	Route for the Sub Screen	
INPUT3 (Y/C)	VSG VSO	RYG GYG BYG	
INPUT4 (Comp. V)	VSG VSO	RYG GYG BYG	
INPUT5 (RGB)	RYG GYG BYG	RYG GYG BYG	
INPUT5 (Color difference)	RYG GYG BYG	RYG GYG BYG	

 Eight adjustment tables are provided here, depending on the input function and main/sub screen.

Adjustment values to be stored in the EEPROM of the RGB (COMMON mode)

Adjustment values differ depending on the signal resolution, input signal format, and main/sub screen.

Note: No adjustment is required for HDMI input or signals converted to digital signals by IC1.

[Main adjustment 1]

Main A/D adjustments for R, G, and B individually (COMMON-RGB mode)

Input and Signal Format	Commands for Adjustment		Conditions for the Tables to be Switched
480i (RGB)	MRG MGG MBG	MRO MGO MBO	Video RGB signals
480i (Color difference)	MRG MGG MBG	MRO MGO MBO	Video color-difference signals
VGA (RGB)	MRG MGG MBG	MRO MGO MBO	PC signals (640x400 - 832x624)
XGA (RGB)	MRG MGG MBG	MRO MGO MBO	PC signals (1024x768 - 1280x768)

- To adjust the video signals, input corresponding signals to INPUT 5 to change the RGB/color-difference signal setting then perform adjustment.
- To adjust the PC signal, input a signal to INPUT 1.
 Make sure that the SIGNAL FORMAT setting is correctly made.
 Then adjust the signal.
- Four adjustment tables are provided here, depending on the signal resolution, input signal format, and main/sub screen.

[Sub adjustment 1]

Main A/D adjustments for R, G, and B individually (COMMON-RGB 1 mode)

Input and Signal Format	Commands for Adjustment		Conditions for the Tables to be Switched
RGB	SRG SGG SBG	SRO SGO SBO	All R, G, and B signals
Color difference	SRG SGG SBG	SRO SGO SBO	All color-difference signals

- For adjustment according to the above tables, input video signals to INPUT 5 to switch to the route for sub input and to change the RGB/color-difference signal setting then perform adjustment.
- Two adjustment tables are provided here, depending on the signal format.

[Main adjustment 2]

Main A/D adjustments for all R, G, and B simultaneously (COMMON-RGB 2 mode)

Input and Signal Format	Commands for Adjustment	Conditions for the Tables to be Switched
RGB	ADC	All R, G, and B signals
Color difference	ADC	All color-difference signals

- For adjustment according to the above tables, input video signals to INPUT 5 to switch to the route for main input and to change the RGB/color-difference signal setting then perform adjustment.
- A contrast gain commits this adjustment command simultaneously three colors.
- Two adjustment tables are provided here, depending on the signal format.

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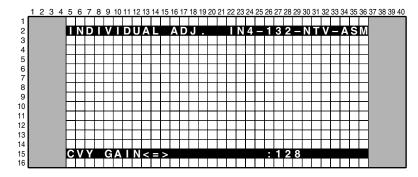
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INDIVIDUAL ADJ. mode



Each time the ▲ or ▼ key is pressed, the individual adjustment items are changed, as follows:

No.	Corresponding 232C Command	Function/Display	Content	Adjustable Range	Remarks
1	VSG	CVY GAIN<=> : ***	MICHAEL (IC6255) input GAIN adj.	064 to 191	Select a route with the command
2	VSO	CVY OFFSET<=> : ***	MICHAEL (IC6255) input OFFSET adj.	064 to 191	SWM (main) and the command SWS (sub).
3	RYG	RY GAIN<=> : ***	AD (IC6001 or IC6602) R input GAIN adj.		The memory tables for the RGB and
4	GYG	GY GAIN<=> : ***	AD (IC6001 or IC6602) G input GAIN adj.	000 to 255	component systems are separate, and are switchable with the
5	BYG	BY GAIN<=> : ***	AD (IC6001 or IC6602) B input GAIN adj.	000 to 255	command MCD.

[&]quot;***" in the table above represents the adjustment value.

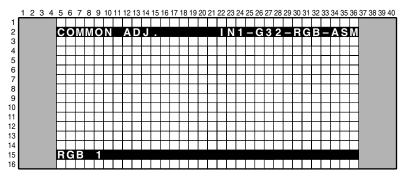
The value of each subitem can be changed using the ◀ or ▶ key.

Notes

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- The differences in signals for the main and sublevel screens from the AV I/O Assy are compensated, and the compensation data are stored in the EEPROM (IC8705) for each screen.
- · No adjustment required normally.

COMMON ADJ. mode



Each time the \blacktriangle or \blacktriangledown key is pressed, the subitems are changed, as follows:

• RGB1(+) : Adjustment of the VIDEO SLOT 2 Assy and the RGB Assy

• RGB2(+) : Adjustment of the RGB Assy

PANEL1(+) : Adjustment items related to the drive (common to the unit)
PANEL2(+) : Adjustment items related to the drive (dependent on signals)

Each time the SET key is pressed, items grouped under the subitem are selected one by one.

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FUNCTION CHECK mode

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FUNCTION CHECK IN1-G32-RGB-ASM

Each time the \blacktriangle or \blacktriangledown key is pressed, the individual adjustment items are changed, as follows:

No.	Display	Function
1	IC1 TEST<=> :	(Not used)
2	IC2 TEST<=> :	(Not used)
3	IC3 TEST<=> :	(Not used)
4	IC4 TEST<=> :	(Not used)
5	FAN<=> :***	The rotation speed of the fan is forcibly switched. (*)

Note (*):

- The operation of the fan can be checked by setting FAN to MAX.
- Set to CNT normally.

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1. COMMON-RGB1

Each time the ▲ or ▼ key is pressed, the subitems are changed, as follows:

When the main input is selected

No.	Corresponding 232C Command	Function/Display	Content	Adjustable Range	Remarks
1	MRG	AD MAIN R GAIN <=> : ***	AD (IC6001) MAIN R GAIN adj. (for main screen)	000 to 255	
2	MGG	AD MAIN G GAIN <=> : ***	AD (IC6001) MAIN G GAIN adj. (for main screen)	000 to 255	
3	MBG	AD MAIN B GAIN <=> : ***	AD (IC6001) MAIN B GAIN adj. (for main screen)	000 to 255	
4	MRO	AD MAIN R OFFSET <=> : ***	AD (IC6001) MAIN R OFFSET adj. (for main screen)	000 to 255	
5	MGO	AD MAIN G OFFSET <=> : ***	AD (IC6001) MAIN G OFFSET adj. (for main screen)	000 to 255	
6	МВО	AD MAIN B OFFSET <=> : ***	AD (IC6001) MAIN B OFFSET adj. (for main screen)	000 to 255	

When the sub input is selected

No.	Corresponding 232C Command	Function/Di	isplay	Content	Adjustable Range	Remarks
1	SRG	AD SUB R GAIN	<=> : ***	AD (IC6602) SUB R GAIN adj. (for sub screen)	000 to 255	
2	SGG	AD SUB G GAIN	<=> :***	AD (IC6602) SUB G GAIN adj. (for sub screen)	000 to 255	
3	SBG	AD SUB B GAIN	<=> :***	AD (IC6602) SUB B GAIN adj. (for sub screen)	000 to 255	
4	SRO	AD SUB R OFFSET	<=> : ***	AD (IC6602) SUB R OFFSET adj. (for sub screen)	064 to 191	
5	SGO	AD SUB G OFFSET	<=> :***	AD (IC6602) SUB G OFFSET adj. (for sub screen)	064 to 191	
6	SBO	AD SUB B OFFSET	<=> :***	AD (IC6602) SUB B OFFSET adj. (for sub screen)	064 to 191	

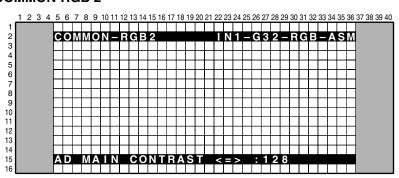
[&]quot;***" in the table above represents the adjustment value.

The value of each subitem can be changed using the ◀ or ▶ key.

Notes: • The differences in signals for the main and sublevel screens from the RGB Assy are compensated, and the compensation data are stored in the EEPROM (IC7205) for each screen.

• No adjustment required normally.

2. COMMON-RGB 2



No.	Corresponding 232C Command	Function/Display	Content	Adjustable range	Remarks
1	ADC	AD MAIN CONTRAST<=>: ***	AD (IC6001) MAIN RGB GAIN adj. (for main screen)	000 to 255	

[&]quot;***" in the table above represents the adjustment value.

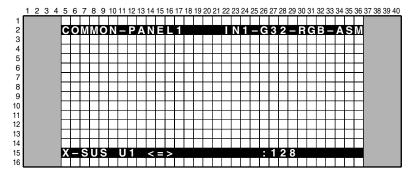
The value of each subitem can be changed using the ◀ or ▶ key.

Note: No adjustment required normally.

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3. COMMON-PANEL1

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Each time the ▲ or ▼ key is pressed, the subitems are changed, as follows:

No.	Corresponding 232C Command	Function/Display	Content	Adjustable Range
1	XU1	X-SUS U1 <=> : ***	Adjustment of X-SUS leading edge pulse U1	124 to 132
2	XU2	X-SUS U2 <=> : ***	Adjustment of X-SUS leading edge pulse U2	124 to 132
3	XD1	X-SUS D1 <=> : ***	Adjustment of X-SUS trailing edge pulse D1	124 to 132
4	XD2	X-SUS D2 <=> : ***	Adjustment of X-SUS trailing edge pulse D2	124 to 132
5	YU1	Y-SUS U1 <=> : ***	Adjustment of Y-SUS leading edge pulse U1	124 to 132
6	YU2	Y-SUS U2 <=> : ***	Adjustment of Y-SUS leading edge pulse U2	124 to 132
7	YD1	Y-SUS D1 <=> : ***	Adjustment of Y-SUS trailing edge pulse D1	124 to 132
8	YD2	Y-SUS D2 <=> : ***	Adjustment of Y-SUS trailing edge pulse D2	124 to 132
9	YD3	Y-SUS D3 <=> : ***	Adjustment of X-SUS trailing edge pulse D3	124 to 132
10	YD4	Y-SUS D4 <=> : ***	Adjustment of X-SUS trailing edge pulse D4	124 to 132
11	VSU	VLT-SUS <=> : ***	SUS voltage adjustment	000 to 255
12	VOF	VLT-OFS <=> : ***	OFFSET voltage adjustment	000 to 255

[&]quot;***" in the table above represents the adjustment value.

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The value of each subitem can be changed using the ◀ or ▶ key.

Notes:

- Adjustments No. 1 to No. 10 above are not normally required, unless so instructed by Service Information, etc.
- Readjustment of values for No. 11 [VSU] and No. 12 [VOF] are required when the service panel is replaced.

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4. COMMON-PANEL2

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COMMON - PANEL 2 IN1 - G3 2 - RGB - ASM

IN1 - G3 2 - RGB - ASM

IN1 - G3 2 - RGB - ASM

PANEL R-HIGH <=> : 1 28 (PT1)

Each time the ▲ or ▼ key is pressed, the subitems are changed, as follows:

No.	Corresponding 232C Command	Function/Display	Content	Adjustable Range
1	PRH	PANEL R HIGH <=> : *** (PTO)	Panel W/B R-HIGH adjustment	000 to 511
2	PGH	PANEL G HIGH <=> : *** (PTO)	Panel W/B G-HIGH adjustment	000 to 511
3	PBH	PANEL B HIGH <=> : *** (PTO)	Panel W/B B-HIGH adjustment	000 to 511
4	PRL	PANEL R LOW <=> : *** (PTO)	Panel W/B R-LOW adjustment	000 to 999
5	PGL	PANEL G LOW <=> : *** (PTO)	Panel W/B G-LOW adjustment	000 to 999
6	PBL	PANEL B LOW <=> : *** (PTO)	Panel W/B B-LOW adjustment	000 to 999
7	ABL	ABL LEVEL <=> : *** (ABx)	Power consumption adjustment	000 to 999

[&]quot;***" in the table above represents the adjustment value.

The value of each subitem can be changed using the ◀ or ▶ key.

White balance adjustment.(From No.1 to No.6). (Refer to 116 pages of the "[W/B-adjustment procedurs]")

Notes: Adjustments No. 7: [ABL] above are not normally required, unless so instructed by Service Information, etc.

"(PTO)" and "(ABx)" in the table above represent the following:

Note: No adjustment required normally.

Indication	Table
PT1	For PC and NTSC

Indication	Table
AB1	For 60Hz, 72Hz and 75Hz video
AB3	For PC

OPTION mode

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

OPTION

INI-G3 2 - RGB - ASM

OPTION

PATTERN MASK (+)

Select the main item "OPTION" using the MUTE key then select the subitems shown in the table below using the ▲ or ▼ key.

No.	Function/Display	Content	Remarks
1	PATTERN MASK (+)	For selecting Pattern mask of IC4	A lower layer exists.
2	FULL MASK (+)	For selecting raster mask of IC4	A lower layer exists.
3	DYNAMIC RANGE	ON ⇔ OFF	The last setting is not stored in memory (initial setting: ON).
4	EDID WRITE MODE	DISABLE ⇔ ENABLE	The last setting is not stored in memory (initial setting: DISABLE).

Note

- For PATTERN MASK (+) and FULL MASK (+), press the SET key to switch to the lower layer.
- Adjustments No. 3 and 4 are not required for servicing.

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2. FULL MASK

1. PATTERN MASK

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

OPTION
IN1-G32-RGB-ASM
OPTION

To select the mask frequency, use the \blacktriangleleft or \blacktriangleright key. To select the mask pattern, use the \blacktriangle or \blacktriangledown key.

Mask Frequency

No.	Corresponding RS-232C Command	Function/ Display	Content
1	F48	V48	Video 48-Hz sequence
2	F50	V50	Video 50-Hz sequence
3	F60	V60 (initial value)	Video 60-Hz sequence
4	F61	P60	PC 60-Hz sequence
5	F70	P70	PC 70-Hz sequence
6	F72	V72	Video 72-Hz sequence
7	F75	V75	Video 75-Hz sequence

Pattern Mask

No.	Corresponding RS-232C Command	Function/ Display	Content
1	M00	OFF	Mask mode: OFF
2	M01	01	White 0 to 100%
3	M02	02	Aging mask
4	M03	03	Aging mask (detection of still picture: OFF)
5	M10	10	H RAMP1
6	M11	11	H RAMP2
7	M12	12	H RAMP3
8	M13	13	H RAMP4
9	M14	14	V RAMP
10	M15	15	H/V RAMP
11	M20	20	Window0
12	M21	21	Window1
13	M22	22	Window2
14	M23	23	Window3
15	M24	24	Window4
16	M25	25	Window5
17	M26	26	Window6
18	M27	27	Window7
19	M28	28	Window8
20	M29	29	Window9
21	M2E	2E	Wiper for erasing afterimage
22	M30	30	COLOR BAR
23	M31	31	Slanted lines

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Full Mask

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No.	Corresponding RS-232C Command	Function/ Display	Content
1	M00	OFF	Mask mode: OFF
2	M51	51	Raster – White
3	M52	52	Raster – Red
4	M53	53	Raster – Green
5	M54	54	Raster – Blue
6	M55	55	Raster – Black
7	M56	56	Raster – Cyan
8	M57	57	Raster – Mazenta
9	M58	58	Raster – Yellow
10	M59	59	Raster – Cyan 274
11	M60	60	Raster – 50 fresh color
12	M61	61	Raster – 50 purple
13	M62	62	Raster – 50 sky blue
14	M63	63	Raster – Red 779
15	M64	64	Raster – Cyan 218
16	M65	65	Raster – Cyan 448
17	M66	66	Raster – 43 fresh color
18	M67	67	Raster – Red 640
19	M68	68	Raster – Mazenta 98
20	M69	69	Raster – 43 sky blue 1
21	M70	70	Raster – 43 sky blue 2
22	M71	71	Raster – 43 purple
23	M72	72	Raster – Blue 960
24	M73	73	Raster – Yellow 512
25	M74	74	Raster – Gray 512

3. DYNAMIC RANGE

The setting can be changed using the \blacktriangleleft or \blacktriangleright key.

No.	Corresponding RS-232C Command	Function/ Display	Content
1	DYY	ON	DYNAMIC RANGE correction: ON (initial setting)
2	DYN	OFF	DYNAMIC RANGE correction: OFF

4. EDID WRITE MODE

The setting can be changed using the \triangleleft or \triangleright key.

No.	Corresponding RS-232C Command	Function/ Display	Content
1	1 EWN DISABLE Prohibiting writing EDID data (initial set		Prohibiting writing EDID data (initial setting)
2	EWY	ENABLE	Enabling writing EDID data

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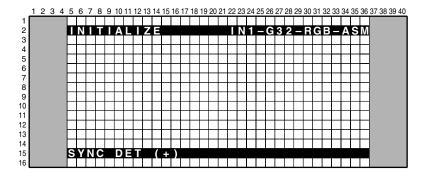
PDP-5004

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3

INITIALIZE mode

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The subitems can be changed using the \blacktriangle or \blacktriangledown key.

No.	Corresponding RS-232C Command	Function/Display	Content
1	_	SYNC DET (+) *1	Setting of the sync signal detection (correspond individually)
2	_	DRIVE MODE (+)	Setting of the luminescence pulse number of the lowest level (correspond individually)
3	_	SIDE MASK LEVEL (+)	Setting of the side mask color (correspond individually)
4	_	PANEL REVISE (+)	(Not used)
5	FST	FINAL SETUP	For initializing user's settings and some factory settings
6	_	C TEMP LOW (+)	
7	_	C TEMP MID LOW (+)	
8	_	C TEMP MID (+)	For adjusting the user's C TEMP MODE item selected
9	_	C TEMP MID HIGH (+)	1 of adjusting the discrete of the WODE Item selected
10	_	C TEMP HIGH (+)	
11	_	HDMI INTR POSITION (+)	(Not used)

Note: Any item followed by (+) has a lower layer to which you can switch using the SET key.

*1: SYNC DET

Setting	Function	Details
		The judgment of synchronization is automatically performed, followed by appropriate image processing.
NON-STD1	LD STILL detection OFF	If the LD STILL operation is performed during setting, the image on the screen is horizontally blurred.
NON-STD2	The judgment of synchronization is set to Nonstandard.	Not the 3-D Y/C processing but the 3-line Y/C processing is performed.

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1. FINAL SETUP

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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 DATA RESET NO YES

Select YES or NO using the ◀ or ▶ key then press the SET key for finalizing the selection: YES : For executing FINAL SETUP
NO : For not executing FINAL SETUP

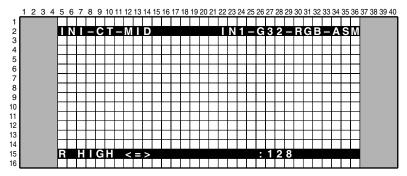
In FINAL SETUP, the following items can be initialized:

	Item (operation)	Factory setting	Remarks
Normal	Input function (main)	INPUT1	
	Input function (sub)	INPUT2	Only PDP-5004 and PDP-4304 are set.
	Screen size	VIDEO WIDE or FULL	The screen-size setting will be one of the factory-
		PC DOT BY DOT or FULL or 4:3	preset values, based on the results of signal-type detection (SIG-MODE).
	Volume	0	
	Multi screen	OFF	
	AV SELECTION	DYNAMIC (at VIDEO), STANDARD (at PC)	
Menu	PICTURE	Default setting for all adjustment items	For each input function
setting	SCREEN	Default setting for all adjustment items	For each input function
	SET UP	Default setting for all adjustment items	For each input function
	OPTION	Default setting for all adjustment items	For each input function
Factory	PATTERN MASK	OFF	
	FULL MASK	OFF	
	EDIT WRITE MODE	DISABLE	
	PEAK LIMITER	_	

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2. C TEMP

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The indication on the 2nd line in the above display varies according to the subitem selected in the upper layer, as follows: INIT-CT- ****

****: LOW/MID/HIGH

Notes: Adjustments are not normally required, unless so instructed by Service Information, etc.

Each time the \blacktriangle or \blacktriangledown key is pressed, items grouped under the subitems are changed, as follows:

No.	Function/Display	Content
1	1 R HIGH <=> For adjusting R highlight in the selected color temperature mode	
2	G HIGH <=>	For adjusting G highlight in the selected color temperature mode
3	B HIGH <=>	For adjusting B highlight in the selected color temperature mode
4	R LOW <=>	For adjusting R lowlight in the selected color temperature mode
5	G LOW <=>	For adjusting G lowlight in the selected color temperature mode
6	B LOW <=>	For adjusting B lowlight in the selected color temperature mode

To change the value of each item, press the ◀ or ► key.

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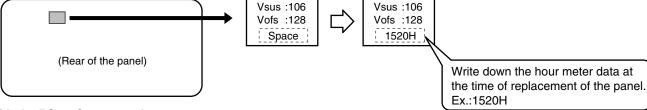
D

6.4 METHOD FOR REPLACING THE SERVICE PANEL ASSY

The following adjustments and operations are required when the Panel Assy is replaced for servicing.

Adjustments of the Vsus and Vofs voltages

Input the reference adjustment values that are described on the service panel for the Vsus and Vofs voltages, with the RS232C commands or on the Factory menu.

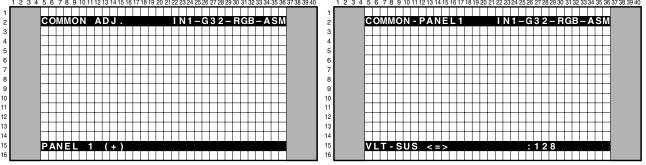


• With the RS232C commands

Input the adjustment values described on the label attached on the rear of the panel:

- Reference adjustment of the Vsus voltage : [VSU***] Ex. : [VSU106]
- Reference adjustment of the Vofs voltage : [VOF***] Ex. : [VOF128]

On the Factory menu



Using the MUTE key, select the main item "COMMON ADJ." Select the subitem "PANEL 1" then "VLT-SUS" or "VLT-OFS," using the ▲ or ▼ key and SET key. Enter the value, using the ◀ or ► key.

■ Clearing various logs for the panel, such as that for the hour meter

It is necessary to clear various logs, such as that for the hour meter, to match the driving hours of the panel before and after replacement. Write down the hour-meter data at the time of replacement of the panel on the label attached to the rear of the panel.

Notes: • For clearing, use the RS232C commands or the Factory menu.

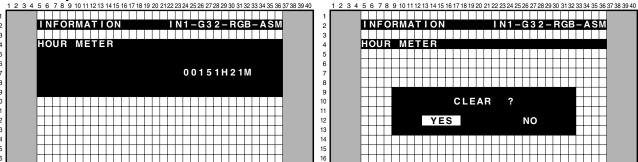
• There are two hour meters. Be careful not to mistake the MR hour meter for the hour meter for the panel.

• With the RS232C commands

You can obtain the accumulated power-on time data of the product itself with the "GS2" RS232C command. (See "6.3 COMMANDS: Command description".)

1 For clearing the hour meter (for the panel): CHM
2 For clearing the pulse meter: CPM
3 For clearing the shutdown (SD) log: CNG
4 For clearing the power-down (PD) log: CPD

On the Factory menu



Using the MUTE key, select the main item "INFORMATION." Select the subitem "HOUR METER," using the ▲ or ▼ key and SET key. Clear the hour-meter data.

In the same way, select the subitem "PULSE METER," "PANEL SD," or "PANEL PD" under the main item "INFORMATION" then clear the data.

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- About GET Command• Operation description of GET command
- Conditions under which GET commands are enabled Most of the GET commands are enabled at any time, regardless of unit's being on/off or in Factory or Normal mode. However, some GET commands must be issued while the power is on to acquire correct data.

GDI: GET STATUS

		Data				Size
		PDP-5004	PDP-4304	PDP-5014	PDP-4314	
1	Resolution	[5]: 1280*768	[4]: 1024*768	[5]: 1280*768	[4]: 1024*768	1 Byte
2	Age type	[4]: 2004 year	4]: 2004 year			1 Byte
3	Destination	[A]: America	[A]: America			1 Byte
4	Grade	[S]: Step up [B]: Basic		1 Byte		
5	Configuration	[M]: Monitor				1 Byte
6	Dummy	[2]		1 Byte		
7	Spare	[**]		2 Byte		

GS1: Returning information on the model and the version of the software

Order	Data	Size
1	Data on the display	3 byte
2	Version of the module microcomputer	4 byte
3	Version of the IC4-MANTA	4 byte
4	Sequence version (43VIDEO)	4 byte
5	Sequence version (43PC)	4 byte
6	Sequence version (50VIDEO)	4 byte
7	Sequence version (50PC)	4 byte
8	8 Version of the IF microcomputer	
9	Version of the main microcomputer	4 byte
10	Version of the IC3-MANTA	4 byte
11	Version of the OSD	4 byte
12	Dummy	12 byte

Breakdown of the data on the display

Diodital	or the data on the display
Data	Model
MX5	PDP-5004 / PDP-5014
MX4	PDP-4304 / PDP-4314

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GPW: RGB-level-related adjustment values of the panel system

Order	Data	Size
1	Panel W/B table currently used	3 byte
2	Main contrast	4 byte
3	Red high light of the W/B adjustment value	4 byte
4	Green high light of the W/B adjustment value	4 byte
5	Blue high light of the W/B adjustment value	4 byte
6	Main brightness	4 byte
7	Red low light of the W/B adjustment value	4 byte
8	Green low light of the W/B adjustment value	4 byte
9	Blue low light of the W/B adjustment value	4 byte

• Details on "Panel W/B table"

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Data	Table
PT1	WB table for NTSC

GPD: Power-down information

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Order	Data	Size	Order	Data	Size
1	Latest "1st PD" data	1 byte	17	Fifth latest "1st PD" data	1 byte
2	Latest "2nd PD" data	1 byte	18	Fifth latest "2nd PD" data	1 byte
3	Data of hour meter for the latest PD	7 byte	19	Data of hour meter for the fifth latest PD	7 byte
4	Data on temperature for the latest PD (TEMP1)	3 byte	20	Data on temperature for the fifth latest PD (TEMP1)	3 byte
5	Second latest "1st PD" data	1 byte	21	Sixth latest "1st PD" data	1 byte
6	Second latest "2nd PD" data	1 byte	22	Sixth latest "2nd PD" data	1 byte
7	Data of hour meter for the second latest PD	7 byte	23	Data of hour meter for the sixth latest PD	7 byte
8	Data on temperature for the second latest PD (TEMP1)	3 byte	24	Data on temperature for the sixth latest PD (TEMP1)	3 byte
9	Third latest "1st PD" data	1 byte	25	Seventh latest "1st PD" data	1 byte
10	Third latest "2nd PD" data	1 byte	26	Seventh latest "2nd PD" data	1 byte
11	Data of hour meter for the third latest PD	7 byte	27	Data of hour meter for the seventh latest PD	7 byte
12	Data on temperature for the third latest PD (TEMP1)	3 byte	28	Data on temperature for the seventh latest PD (TEMP1)	3 byte
13	Fourth latest "1st PD" data	1 byte	29	Eighth latest "1st PD" data	1 byte
14	Fourth latest "2nd PD" data	1 byte	30	Eighth latest "2nd PD" data	1 byte
15	Data of hour meter for the fourth latest PD	7 byte	31	Data of hour meter for the eighth latest PD	7 byte
16	Data on temperature for the fourth latest PD (TEMP1)	3 byte	32	Data on temperature for the eighth latest PD (TEMP1)	3 byte

Hour meter data; 1 to 5 byte: time, 6 to 7 byte: minute

• Details on "1st/2nd PD" data

Data	Power-down Point
0	No power-down
1	Not used (for MR-POWER)
2	P-POWER
3	SCAN
4	SCN-5V
5	Y-DRIVE
6	Y-DCDC
7	Y-SUS
8	ADRS
9	X-DRIVE
Α	X-DCDC
В	X-SUS
С	DIG-DCDC
D, E	Spare
F	Power-down point not identified

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GNG: Shutdown information

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Order	Data	Size	Order	Data	Size
1	Latest SD data	1 byte	17	Fifth latest SD data	1 byte
2	Data of subcategory for the latest SD	1 byte	18	Data of subcategory for the fifth latest SD	1 byte
3	Data of hour meter for the latest SD	7 byte	19	Data of hour meter for the fifth latest SD	7 byte
4	Data on temperature for the latest SD	3 byte	20	Data on temperature for the fifth latest SD	3 byte
5	Second latest SD data	1 byte	21	Sixth latest SD data	1 byte
6	Data of subcategory for the second latest SD	1 byte	22	Data of subcategory for the sixth latest SD	1 byte
7	Data of hour meter for the second latest SD	7 byte	23	Data of hour meter for the sixth latest SD	7 byte
8	Data on temperature for the second latest SD	3 byte	24	Data on temperature for the sixth latest SD	3 byte
9	Third latest SD data	1 byte	25	Seventh latest SD data	1 byte
10	Data of subcategory for the third latest SD	1 byte	26	Data of subcategory for the seventh latest SD	1 byte
11	Data of hour meter for the third latest SD	7 byte	27	Data of hour meter for the seventh latest SD	7 byte
12	Data on temperature for the third latest SD	3 byte	28	Data on temperature for the seventh latest SD	3 byte
13	Fourth latest SD data	1 byte	29	Eighth latest SD data	1 byte
14	Data of subcategory for the fourth latest SD	1 byte	30	Data of subcategory for the eighth latest SD	1 byte
15	Data of hour meter for the fourth latest SD	7 byte	31	Data of hour meter for the eighth latest SD	7 byte
16	Data on temperature for the fourth latest SD	3 byte	32	Data on temperature for the eighth latest SD	3 byte

Hour meter data; 1 to 5 byte: time, 6 to 7 byte: minute

• Details on the SD data

Data	Cause of Shutdown
0	No abnormality
1	IC4
2	Module microcomputer IIC
3	Abnormality in DIG-RST2 (power decrease of ASIC)
4	Panel having abnormally high temperature
5	Audio failure (short-circuiting of the speakers)
6	Communication failure of the module microcomputer
7	Three-wire serial communication failure of the main microcomputer
8	IIC communication failure of the main microcomputer
9	Communication failure of the main microcomputer
Α	Fan stopped
В	Temperature abnormality
D	Abnormality in MAIN-RST2
F	Others

• Data on the subcategories for the module microcomputer IIC

Data	Cause of Shutdown		
0	No subcategory		
1	EEPROM (4k)		
2	EEPROM (2k)		

• Data on the subcategories for failure in 3-wire serial communication of the main microcomputer

Data	Cause of Shutdown		
0	No subcategory		
1	Communication failure of the IF microcomputer		
2	IC2 communication failure		
3	IC3 communication failure		

• Data on the subcategories for failure in IIC communication of the main microcomputer

Data	Cause of Shutdown
0	No subcategory
1	EEPROM (128k) (IC7205)
2	Not used
3	IC1 V (IC6107)
4	IC1 Y (IC6255)
5	AD-PLL main (IC6001)
6	AD-PLL sub (IC6002)
7	IC6/1 (IC5701)
8	Not used
9	HDMI 2 (IC6810)
Α	Not used
В	Not used
С	Not used
D	Not used
E	Not used
F	EEPROM (SLOT)
G	Not used
Н	Not used
N	IC6/2 (IC5801)

• Subcategory data on abnormal temperature

Data	Cause of Shutdown		
2	Temperature inside the unit (INSIDE)		
3	Ambient temperature (AIR)		

• Subcategory data on other failures

Data	Cause of Shutdown		
2	Power monitor 1 (VCC-D1)		
3	Power monitor 1 (VCC-D2)		
5	Power monitor 1 (VCC-D4) (IC6809)		

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GS2: Status information

Order	Data	Size	Remarks
1	Notifying of switching to Standby mode	1 byte	1: Successfully switched to Standby mode
2	Whether the unit has already been adjusted or not	1 byte	0: Adjusted, 1: Not adjusted
3	With/without backup of adjustment data	1 byte	0: With backup, 1: Without backup
4	Power-down information	2 byte	1st byte: 1st PD, 2nd byte: 2nd PD
5	Temperature information (TEMP1)	3 byte	000 to 255
6	Abnormality in RST2 (power decrease of the DC-DC converter)	1 byte	
7	IC4 communication failure	1 byte	
8	EEPROM communication failure	1 byte	0: Normal, 1: Shutdown process caused by an abnormality
9	Failure in audio	1 byte	completed, 2: In the process of displaying a warning against
10	Communication failure of the volume IC	1 byte	shutdown caused by an abnormality
11	Backup-ROM communication failure	1 byte	
12	Failure in temperature information (TEMP1)	1 byte	
13	Activation of panel protection	1 byte	0: Panel protection not activated, 1: Panel protection being activated
14	(Reservation)	9 byte	*****
15	Hour meter	7 byte	1st-5th bytes: Hour, 6-7th bytes: Minute

• Power-down information

Data	Power-down point
0	No power-down
1	Not used
2	P-POWER
3	SCAN
4	SCN-5V
5	Y-DRIVE
6	Y-DCDC
7	Y-SUS
8	ADRS
9	X-DRIVE
Α	X-DCDC
В	X-SUS
С	DIG-DCDC
D	Reservation
Е	Reservation
F	Power-down point not identified

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GPM: Value of the pulse meter

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Order	Data	Size
1	Pulse meter (Block area 1)	10 byte
2	Pulse meter (Block area 2)	10 byte
3	Pulse meter (Block area 3)	10 byte
4	Pulse meter (Block area 4)	10 byte
5	Pulse meter (Block area 5)	10 byte

Note:

The number of electric discharges at each block is displayed. The first digit represents the number of tens of thousands.

[Location of the block areas from which values from the pulse meter are obtained]

						Block ①										
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
32	33	34	35	36	37	38	39	40	41	42	43	44_	45	46	47	
48	49	50	51	52	53	54	55	56	57	58	59	60_	Block ②	62	63	
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
80	81	82	83	84	85	86_	87	88	89	90	91	92	93	94	95	
96	97	98	99	100	101	10	Block ③	104	105	106	107	108	109	110	111	
112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	
128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	
144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	Block	(4)
176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	l
192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	
208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	l
224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	
240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	l
			Block ⑤)												

GPC: Number of times the power was turned on

Order	Data	Size
1	Power-on counter	8 byte

GAJ: Drive-related adjustment values

Order	Data	Size
1	ABL table currently used	3 byte
2	Upper limit of the power	3 byte
3	Vsus adjustment value	3 byte
4	Vofs adjustment value	3 byte
5	X-SUS-U1 adjustment value (XU1)	3 byte
6	X-SUS-U2 adjustment value (XU2)	3 byte
7	X-SUS-D2 adjustment value (XD2)	3 byte
8	X-SUS-D1 adjustment value (XD1)	3 byte
9	Y-SUS-U1 adjustment value (YU1)	3 byte
10	Y-SUS-U2 adjustment value (YU2)	3 byte
11	Y-SUS-D1-2 adjustment value (YD2)	3 byte
12	Y-SUS-D1-1 adjustment value (YD1)	3 byte
13	Y-SUS-D2-2 adjustment value (YD4)	3 byte
14	Y-SUS-D2-1 adjustment value (YD3)	3 byte

• Details on "ABL table"

	011 712 100010
Data	Table
AB1	ABL table for 60Hz,72Hz and 75Hz video
AB3	ABL table for PC

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LIST OF RS-232C COMMAND

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Comr	mand	Operation	Validity of Direct Numeric Input	Lower limit	Upper limit
[A]			0	000	255
ABL		Adjusting power consumption			
ADC		AD MAIN CONTRAST adjustment			
AMT	S00	Cancelling the audio mute			
AMT	S01	Executing the audio mute			
AST		Executing the auto setup			
[B]					
BCP		Transmitting the backup data to the DIGITAL VIDEO Assy			
BSL		Adjusting the side mask B	0	000	255
BYG		Adjusting the BY GAIN	0	000	255
[C]					
CHM		Clearing the hour meter			
CNG		Clearing the MR NG information			
CPC		Clearing the power-on counter			
CPD		Clearing the power-down information	†		
CPM		Clearing the pulse meter	1		
CTM		Clearing the remodeling log			
[D]		J			
DRF		Turning off the power for the drive system			
DRN		Turning on the power for the drive system			
DW0		Decresing the adjustment value by 10			
DWn		Decreasing the adjustment value by n			
DWF		Minimizing the adjustment value	+		
DYR	S00	D-range correction NO	+		
DYR	S01	D-range correction YES			
[E]	301	D-range correction TES	+		
EDW	S00	Prohibiting the writing of EDID data			
EDW	S01	Permitting the writing of EDID data			
[F]		1 Chintary the Wharig of EDID data			
F48		Video 48-Hz sequence			
F50		Video 50-Hz sequence			
F60		Video 60-Hz sequence			
F61		PC 60-Hz sequence			
F70		PC 70-Hz sequence			
F72		Video 72-Hz sequence			
F75		Video 75-Hz sequence			
FAJ		Determining the main unit adjustment	+		
FAN		Turning the Service Factory mode off	+		
FAY		Turning the Service Factory mode on	+		
FCA		Turning the fan roll control to auto	+		
FCM		Maximizing the fan roll control			
FST		Executing the FINAL SETUP	+		
[G]		Exceeding the Little Octor	+		
GAJ		Obtaining the adjustment values for the panel	†		
GAS		Obtaining the EQUISITION Values of the parter			
GDI		Command for obtaining the command	1		
GMM		Switching the gamma	0	000	007
GNG		Obtaining the shut down (NG) information	+ -	- 555	307
GNP		Obtaining the serial number of the panel	+		
GPC		Obtaining the serial number of the panel Obtaining the value of P ON COUNTER	+		

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Comi	nand	Operation	Validity of Direct Numeric Input	Lower limit	Upper limit
GPD		Obtaining the power-down information			
GPM		Obtaining the PULSE METER data			
GPP		Obtaining the PD polling log for module			
GPW		Obtaining the PANEL W/B data			
GS1		Obtaining the version data for each device			
GS2		Obtaining the each operating information			
GSL		Adjusting the side mask GREEN	0	000	255
GYG		Adjusting the GY GAIN	0	000	255
INP		Indicating the input function of current main screen			
INP	S01	Switching the main screen to Input 1			
INP	S02	Switching the main screen to Input 2			
INP	S03	Switching the main screen to Input 3			
INP	S04	Switching the main screen to Input 4			
INP	S05	Switching the main screen to Input 5			
M]					
MSK	S00	Mask mode: OFF			
MSK	S01	White: 0 to 100%			
MSK	S02	Aging mask (detection of still picture: OFF)			
MSK	S03	Aging mask			
MSK	S04	Aging mask (detection of still picture: OFF)			
MSK	S10	RAMP slant 1			
MSK	S11	RAMP slant 4			
MSK	S12	RAMP slant 1 shifting			
MSK	S13	RAMP slant 4 shifting			
MSK	S14	V RAMP			
MSK	S15	H/V RAMP			
MSK	S20	Window (for W/B adjustment High: 870, Low: 102)			
MSK	S21	Window (for W/B adjustment High: 1023, Low: 102)			
MSK	S22	Window (for the peak luminance measurement of WB stage High: 1023)			
MSK	S23	Window (for the peak luminance measurement High: 1023 4%)			
MSK	S24	Window (for the peak luminance measurement High: 1023 1.25%)			
MSK	S25	Window-1/7 vertical window (for stress measurement)			
MSK	S26	Window (magenta, green, stripe for checker)			
MSK	S27	Window (green, magenta, stripe for checker)			
MSK	S28	Window (black & white [1 x 8], checkered pattern [for EMG check])			
MSK	S29	Window (for W/B adjustment, magenta=512, yellow=512)			
MSK	S40	Wiper to prevent phosphor burn			
MSK	S30	Color Bar			
MSK	S31	Slanted lines (breaking of wire check)			
MSK	S51	Raster-white			
MSK	S52	Raster-red			
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Raster-green

Raster-blue

Raster-black

Raster-cyan

Raster-magenta

Raster-cyan 274

Raster-yellow

MSK

MSK

MSK

MSK

MSK

MSK

MSK

S53

S54

S55

S56

S57

S58

S59

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1 2 3 4

Validity of Lower Upper Command Operation Direct limit Numeric Input MSK S60 Raster-50 flesh color MSK S61 Raster-50 light purple MSK S62 Raster-50 sky blue MSK S63 Raster-red 779 MSK S64 Raster-cyan 218 MSK S65 Raster-cyan 448 MSK S66 Raster-43 flesh color MSK S67 Raster-red 640 S68 MSK Raster-magenta 98 MSK S69 Raster-43 sky blue 1 MSK S70 Raster-43 sky blue 2 S71 MSK Raster-43 light purple S72 MSK Raster-blue 960 MSK S73 Raster-gray 511 (spare) MSK S74 Raster-gray 511 (spare) AD MAIN B GAIN 0 000 255 MBG 0 000 MBO AD MAIN B OFFSET 255 0 000 255 MGG AD MAIN G GAIN MGO AD MAIN G OFFSET 0 000 255 MRG AD MAIN R GAIN 0 000 255 MRO AD MAIN R OFFSET 0 000 255 [N] NGN Prohibiting the shut down operation [0] S00 Turning the OSD indication off OSD OSD S01 Turning the OSD indication on [P] S00 PEAK LIMITER OFF PLT PLT S01 PEAK LIMITER ON PBH Panel W/B B-HIGH adjustment 0 000 511 0 000 999 PBL Panel W/B B-LOW adjustment PDN POWER DOWN NO PDY POWER DOWN YES PGH 000 Panel W/B G-HIGH adjustment 0 511 0 PGL Panel W/B G-LOW adjustment 000 999 PL0 Adjusting the brightness setting to 0 PL1 Adjusting the brightness setting to 1 PL2 Adjusting the brightness setting to 2 PL3 Adjusting the brightness setting to 3 PL4 Adjusting the brightness setting to 4 PL5 Adjusting the brightness setting to 5 PLA Center luminance correction ON (APL interlocking OFF) PLN Center luminance correction OFF POF Turning the power OFF PON Turning the power ON PRH Panel W/B R-HIGH adjustment 0 000 511 PRL Panel W/B R-LOW adjustment 0 000 999

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Comr	mand	Operation	Validity of Direct Numeric Input	Lower limit	Upper limit
[R]					
RSL		Adjusting the side mask RED	0	000	255
RYG		RY GAIN	0	000	255
[S]					
SBG		AD SUB B GAIN	0	000	255
SBO		AD SUB B OFFSET	0	064	191
SFI		Initializing the full mask table			
SFT		Indicating the current signal format			
SFT	S01	Setting the signal format to PC FORMAT1 (VGA or XGA or SXGA or 720-PC)			
SFT	S02	Setting the signal format to PC FORMAT2 (WVGA or WXGA or SXGA+)			
SFT	S03	Setting the signal format to VIDEO 525p or VIDEO 750p			
SFT	S04	Setting the signal format to PC AUTO			
SGG		AD SUB G GAIN	0	000	255
SGO		AD SUB G OFFSET	0	064	191
SIP		Indicating the current function type			
SIP	S04	Input switching auxiliary (PC)			
SIP	S05	Input switching auxiliary (HDMI)			
SN0		Setting 1, 2, or 3 for the serial number of the panel			
SN1		Setting 4, 5, or 6 for the serial number of the panel			
SN2		Setting 7, 8, or 9 for the serial number of the panel			
SN3		Setting 10, 11, or 12 for the serial number of the panel			
SN4		Setting 13, 14, or 15 for the serial number of the panel			
SPI		Initializing the video EEPROM data			
SRG		AD SUB R GAIN	0	000	255
SRO		AD SUB R OFFSET	0	064	191
SWM		Full-screen display of main output			
SWS		Full-screen display of sub output			
SZM		Indicating the current screen size setting			
SZM	S00	Setting the screen size to Dot by Dot or PARTIAL			
SZM	S01	Setting the screen size to 4:3			
SZM	S02	Setting the screen size to FULL or FULL1080i			
SZM	S03	Setting the screen size to ZOOM			
SZM	S04	Setting the screen size to CINEMA			
SZM	S05	Setting the screen size to WIDE			
[T]					
TSN		Trap SW is invalid			
TSY		Trap SW is valid			
[U]					
UAJ		Return the DIGITAL VIDEO Assy to service parts			
UP0		10 adds adjustment value			
UPn		n adds adjustment value			
UPF		Maximizing the adjustment value			

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1 2 3 4

Validity of Direct Numeric Input Upper Lower Command Operation limit limit [V] VMT S00 Cancelling the panel mute VMT S01 Executing the panel mute VOF 000 255 Offset voltage adjustment 0 VOL *** Adjusting the audio volume 0 000 060 VSG **CVY GAIN** 0 064 191 0 000 255 vso CVY OFFSET VSU SUS voltage adjustment 000 255 [W] WAN WBL-APL interlocking prohibition WAY WBL-APL interlocking permission [X] XD1 D1 trailing-edge pulse of X-SUS XD2 D2 trailing-edge pulse of X-SUS XU1 U1 leading-edge pulse of X-SUS XU2 U2 leading-edge pulse of X-SUS [Y] D1 trailing-edge pulse of Y-SUS YD1 D2 trailing-edge pulse of Y-SUS YD2 YD3 D3 trailing-edge pulse of Y-SUS YD4 D4 trailing-edge pulse of Y-SUS YU1 U1 leading-edge pulse of Y-SUS YU2 U2 leading-edge pulse of Y-SUS

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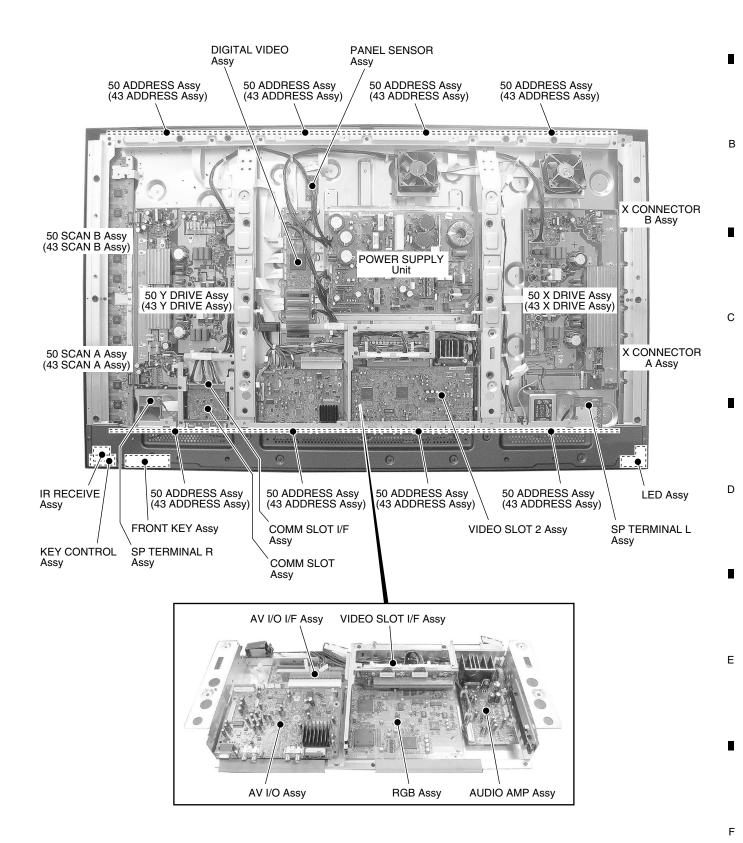
PDP-5004

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 CONFIGURATION OF THE PC BOARD

Note: This illustration is PDP-5004.



• Rear view

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7.1.2 DIAGNOSIS FOR SHUTDOWN AND POWER-DOWN BY LED

• Operation statuses indicated by LEDs

LED Α RED GREEN Standby Normal RED GREEN Power on RED GREEN 0.5s 0.5s 0.5s 3.0s Power-down RED GREEN Abnormality Shutdown 0.5s 0.5s 0.5s 3.0s В RED GREEN Remodeling Note: : Lit in red : Lit in green : Not lit

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■ On Shutdown and power-down

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Shutdown

- Operation: When the microcomputer detects any abnormality, it forcibly shuts the unit off.
- LED indication: The LED flashes in green.

Note: The LED flashes regardless of the FRONT INDICATOR setting on the Integrator menu.

• Identification of locations having abnormality by the number of times the LEDs flash

Power-down

- Operation: When the unit is in emergency status, a protection circuit is activated, and the power is shut off.
- LED indication: The LED flashes in red.

Category		ED	Conter	nt	Unit's Operation	Warning Message
Category	STB	ON			-	Warring Wessage
		Once	Communication fa panel-drive IC	ilure of the	Shutdown 3 seconds after warning	Shutdown by circuit failure (01)
		Twice	Communication fa module IIC	ilure of the	Shutdown 3 seconds after warning	Shutdown by circuit failure (02)
		3 times	Power decrease on DC-DC converter	f the digital	Immediate shutdown	
		4 times	Panel having high temperature		Shutdown 30 seconds after warning	Shutdown by warning temperature rise (04)
		5 times	Audio failure		Shutdown 3 seconds after warning	Shutdown by warning speaker failure (05)
		6 times	Communication fa module microcom		Shutdown 3 seconds after warning	Shutdown by circuit failure (06)
SD		7 times	Main 3-wire serial communication in	failure	Shutdown 3 seconds after warning	Shutdown by circuit failure (07)
		8 times	Communication fa main IIC	ilure of the	Shutdown 3 seconds after warning	Shutdown by circuit failure (08)
		9 times	Communication fa main microcompu		Immediate shutdown	
		10 times	Fan in failure		Shutdown 3 seconds after warning	Shutdown by warning fan abnormality (10)
		11 times	Unit having higher temperature		Shutdown 30 seconds after warning	Shutdown by warning temperature rise (11)
		13 times	Main microcompur power supply NG	ter ASIC	Immediate shutdown	
		14 times	Communication fa IF-EEPROM	ilure of	Shutdown 3 seconds after warning	Shutdown by circuit failure (14)
		15 times	Other failure	VCC-D1 VCC-D2 VCC-D4	Shutdown 3 seconds after warning	Shutdown by circuit failure (15)
	Once					
	Twice		Power		Immediate power-down	
	3 times		SCAN		Immediate power-down	
	4 times		SCAN-5V		Immediate power-down	
	5 times		Y-DRIVE		Immediate power-down	
	6 times		Y-DCDC		Immediate power-down	
PD	7 times		Y-SUS		Immediate power-down	
	8 times		ADDRESS		Immediate power-down	
	9 times		X-DRIVE		Immediate power-down	
	10 times		X-DCDC		Immediate power-down	
	11 times		X-SUS		Immediate power-down	
	12 times		DIGITAL-DCDC	dontifical\	Immediate power-down	
	15 times		UNKNOWN (Not i	uentinea) *	Immediate power-down	

^{*} If the unit cannot identify which protection circuit was activated, even if a power-down had been detected, the red LED may flash 15 times.

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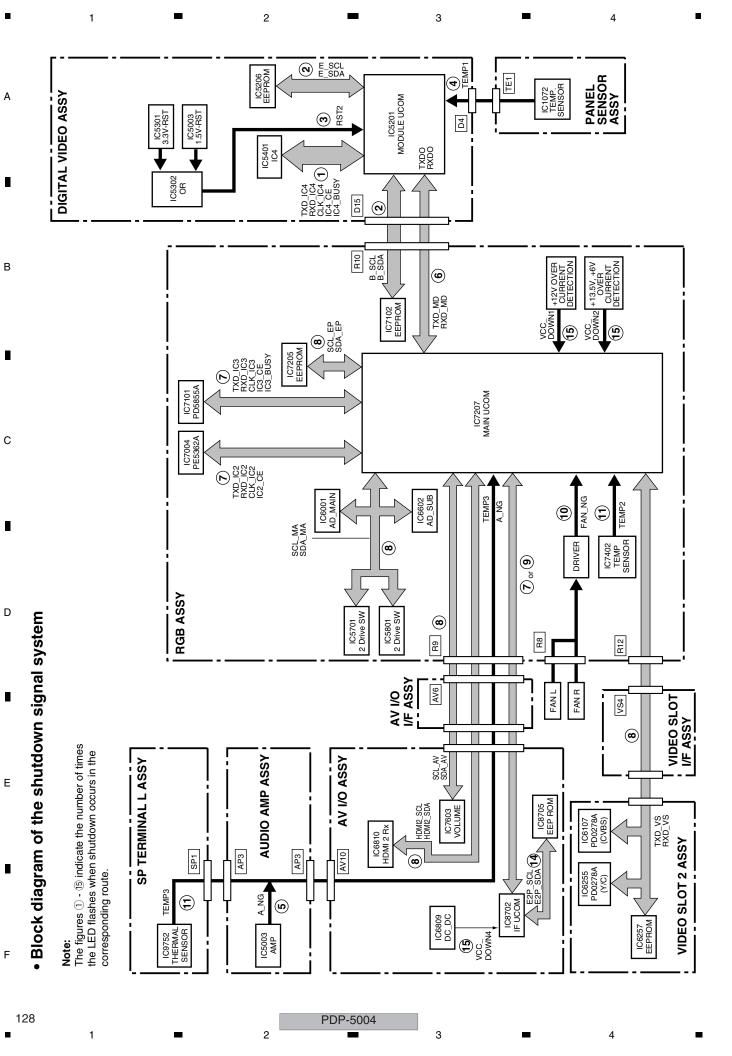
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PDP-5004



Diagnosis of shutdown

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ı	SD CITICUIT UPPERATION DESECTIVE ASSY	Delective Assy	Reason for Shutdown	Point to be Checked	Possible Defective Part	Hemarks
-	Communication failure of the	DIGITAL VIDEO	Communication failure of IC4 or defective peripheral circuits	IC4 Block, Panel Flash Block	IC5401, IC5305	
	panel-drive IC		Writing failure of IC4			After turning the unit on again, check if the data on the version can be read with the GS1 command.
	Communication failure of the	DIGITAL VIDEO	Communication failure of the EEPROM (4k) or defective peripheral circuits	Module Ucom Block	IC5206	
N	module IC (Check the shutdown subcategory on the Factory menu.)	RGB	Communication failure of the EEPROM (2k) or defective peripheral circuits	IC3 Block	IC7102	
			Defective 114-pin FPC	CN400(D15) - CN7101(R10)	ADY1081	Check if the cable is disconnected or not securely connected.
		DIGITAL VIDEO	Defective DC-DC converter	Digital DD Control Block	U5601	Check if 3.3V, 2.5V, and 1.5V are activated (not short-circuited).
က	Power decrease of DIGITAL-	DIGITAL VIDEO	Defective RST IC	Panel Flash Block	IC5301,IC5302,IC5303	
	DC-DC	POWER SUPPLY	No startup of 12 V			
		DIGITAL VIDEO	Disconnection of cable	CN5202 - CN1071		
4	Fanel naving nigner temperature		Panel having higher temperature	Surrounding temperature		Temperature detected by a sensor must not exceed 90°C (TEMP1).
			Speaker short-circuited	Speaker terminals		Check if the speaker cables are in contact with the chassis, etc.
Ω.	Audio failure	AUDIO AMP	Defective AMP IC	Audio Amp	IC5003	
		AUDIO AMP	Disconnection of cable	CN7601(AV1) - CN5001(AP2)		Check if the cable is disconnected or not securely connected.
		DIGITAL VIDEO	Communication failure in the module microcomputer or defective peripheral circuits	Module Ucom Block	IC5201	Check short/open of the communication line (TXDO/RXDO).
9	Communication failure of the		Failure in writing in the module microcomputer	Module Ucom Block	IC5201	
	module microcomputer		Defective 114-pin FPC	CN4004(D15) - CN7101(R10)	ADY1081	Check if the cable is disconnected or not securely connected.
		AV I/O	Communication failure in the IF microcomputer or defective peripheral circuits	IF Ucom Block	IC8702	Check short / open of the communication line (TXD_IF/RXD_IF/CLK_IF/BUSY_IF/CE_IF)
	Serial communication failure	RGB	Communication failure in the CELIA or defective peripheral circuits	IC2 Block	IC7004	Check short / open of the communication line (TXD_IC2/RXD_IC2/CL_IC2)
	microcomputer	RGB	Communication failure in the MIKE or defective peripheral circuits	IC3 Block	IC7101	Oheck short / open of the communication line (TXD_IC3/RXD_IC3/
		RGB	Failure in writing in the MIKE	IC3 Block	IC7101	
		VIDEO SLOT2	Failure in MICHAEL Y/C or defective peripheral circuits IC1 (Y/C) Block	IC1 (Y/C) Block	IC6255	
		VIDEO SLOT2	Failure in MICHAEL CVBS or defective peripheral circuits IC1 (CVBS) Block	IC1 (CVBS) Block	IC6107	
		RGB	Failure in AD MAIN or defective peripheral circuits	Main AD Block	IC6001	
		RGB	Failure in AD SUB or defective peripheral circuits	Sub LPF & AD Block	IC6602	
ω	IIC communication failure of	RGB	Failure in ROZ or defective peripheral circuits	Bus SW1 Block	IC5701	
	the main microcomputer (Confirm the SD subcategory)	RGB	Failure in ROZ or defective peripheral circuits	Bus SW2 Block	IC5801	
	in the factory menu)	AV I/O	Failure in VOL IC or defective peripheral circuits	AV I/O Assy	IC7603	
		AV I/O	Failure in HDMI Rx IC or defective peripheral ciecuits IC6810 Block	IC6810 Block	IC6810	
		RGB	Failure in EEPROM or defective peripheral circuits	Main Ucom Block	IC7205	
		VIDEO SLOT2	Failure in EEPROM or defective peripheral circuits	IC1 (Y/C) Block	IC6257	
			Defective communication line between any of the above devices and the main microcomputer		IC7207	Check short / open of SCL_AV/SDA_AV, SCL_MA/SDA_MA and SCL_EP/SDA_EP

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1					2	2	
		2°C					

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	SD Circuit in C	Operation	SD Circuit in Operation Defective Assy	Reason for Shutdown	Point to be Checked	Possible Defective Part	Remarks
6	Communication failure in	ilure in	RGB	Communication failure in main microcomputer or defective peripheral circuits	Main Ucom Block	IC7207	Check short / open of communication line (TXD_IF/RXD_IF/CLK_IF/BUSY_IF/CE_IF/REQ_IF)
	main microcomputer	iter	RGB	Failure in writing in the main microcomputer	Main Ucom Block	IC7207	
,	1 1 1 1 1		FAN	Failure in the fan motor or fan stopped by attached dust			
2	ran tallure		RGB	Disconnection of cable	Relay part between CN7402 (R8) and the wire from the fan		Check if the cable is disconnected or not securely connected.
7	Unit having higher	_		Use under high temperature	Surrounding/internal temperature		Temperature detected by a sensor must not exceed 65°C (TEMP3) /95°C (TEMP2)
=	terriperature		AUDIO AMP	Disconnection of cable	CN5003(AP3) - CN9702(SP1)		Check if the cable is disconnected or not securely connected.
41	Communication failure in IF EEPROM		AV I/O	Communication failure in EEPROM or defective peripheral circuits	I/F Ucom Block	IC8705	Check short / open of E2P_SC/JE2P_SDA
		VCC-D1	RGB	Defective circuits in the 12V system			Check for shortcircuits in the 12V system.
15	15 Other failures	VCC-D2	RGB	Defective circuits in the 13.5V and 6.5V systems.			Check for shortcircuits in the 13.5V and 6.5V systems.
		VCC-D4 AV I/O	AV I/O	Defective circuits in the 3.3V system of HDMI 2.			Check for shortcircuits in the 3.3V system of HDMI 2.

• Diagnosis of abnormalities other than shutdown and power-down

Symptoms	Defective Assy	Abnormal Summary	Point to be Checked	Possible Defective Part	Remarks	$\overline{}$
		Disconnection of cable	CN7404		Check if the connection between the POWER SUPPLY and RGB assemblies is properly made.	
No power (LED unlit)	POWER SUPPLY	STB 3.3 V not started	CN7404(AV1)-11 pin			
	AV I/O	Defective IF microcomputer	IF Ucom Block	IC8702	Check if the oscillation is normal (X8701 = 32 kHz, X8702 = 9.8 MHz) and if RESET is set to H (IC8703).	
No power (The LED remains lit in red and does not light in green.)	RGB	Defective main microcomputer	Main Ucom Block	IC7207	If communication with the main microcomputer falls approx. $20\mathrm{seconds}$ after the AC power is on, the main microcomputer may be defective.	
No power (The LED remains lit in		Detect Trap switch	CN7204		Check if the TRAP switch is secured in its position correctly. See "7.1.8 How to cancel the TRAP switch."	
red and dgreen.)		Defective Trap switch		ASG1089	Check if the unit operates normally when the TRAP switch is canceled. See "7.1.8 How to cancel the TRAP switch."	
Key input not effective		Disconnection of cable	CN4801 - CN9002 CN9001 - CN8702		Check if the cables are not connected or securely connected.	ı —
		Disconnection of cable	CN4901 - CN8901		Check if the cable is not connected or securely connected.	
Hemote control unit not effective	IR RECEIVE	Defective IR receiver section	IR	U4901	Check if a pulse is output when the key corresponding to Pin 3 of the CN4901 is pressed.	
Abnormality in a one-eighth area of	DIGITAL VIDEO	Defective IC4	IC4 Block	IC5401	Check if an abnormal area in the screen changes when the FPC connected to the address corresponding to the abnormal area is replaced with the one corresponding to the next address.	
the screen	ADDRESS				Check that an abnormal area in the screen does not change when the FPC connected to the address corresponding to the abnormal area is replaced with the one corresponding to the next address.	
Abnormal screen (Data of every other dot are abnormal)		Defective 114-pin FPC	CN7101 - CN5001	ADY1081	Check if the FPC is broken or not securely connected.	

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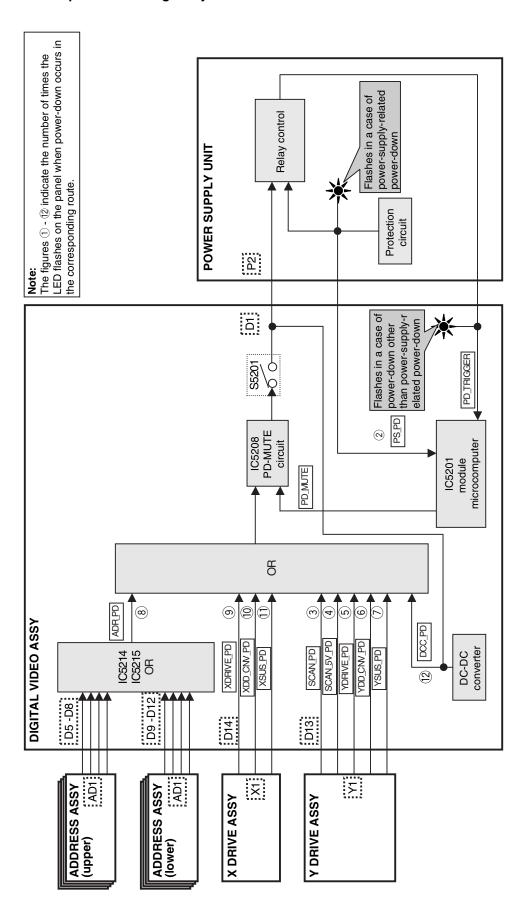
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• Block diagram of the power-down signal system

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	PD Circuit in operation	Defective Assy	Reason for Power-down	Point to be Checked	Possible Defective Part	Remarks	Pov
-	NONE						ver
Ŋ	POWER	POWER SUPPLY Unit				If the elapsed time from relay-on until the LED in the power supply unit lights is about 2-4 seconds, the defective assembly may be the 50 (43) X or Y DRIVE.	1 -down d
		50 (43) X DRIVE Assy	VSUS UVP	X SUS BLOCK	IC1203 - IC1207 (mask module)		iag
		50 (43) Y DRIVE Assy	VSUS UVP	Y SUS BLOCK	IC2303 - IC2307 (mask module)		gno
		50 (43) SCAN A, B	VH UVP	SCAN IC	SCAN IC		osis
ო	SCAN	Assy or Y 50 (43) DRIVE	VH UVP	VH DC/DC	IC2401, IC2402, IC2410, L2401		- s (c
		Assy	Disconnection of cable detected	CN2001, CN2301			lefe
		50 (43) SCAN A. B	Disconnection of cable detected	CN2101, CN2102			ect
4	SCN-5V	Assy or 50 (43) Y DRIVE	IC5V UVP	SCAN IC, IC5V DC/DC Y SUS BLOCK	SCAN IC, Q2401, Q2402, IC2304, IC2309		ive p
		Assy	IC5V OVP	IC5V DC/DC	IC2403, IC2411		2 Oii
5	Y-DRIVE	50 (43) Y DRIVE Assy	+16.5V OCP	Y SUS BLOCK	IC2303 - IC2307 (mask module), IC2301, IC2304, R2309		nts)
			VOFS UVP	VOFS DC/DC	IC2404, IC2412, Q2404, Q2407		
9	Y-DCDC	50 (43) Y DRIVE Assy	VOFS OVP	VOFS DC/DC	IC2404, IC2412		
			VH OVP	лн DC/DC	IC2402, IC2410		
, ,	SUS-Y	50 (43) Y DRIVE Assy	Power-down caused by detection of middle-point voltage	Y RESONANCE BLOCK	O2202, Q2214, Q2205, Q2206, Q2208, Q2209, Q2211, Q2212, IC2201, IC2202, Control signal series resistors		_
		DIGITAL VIDEO Assy	Power-down caused by detection of middle-point voltage	DIGITAL VIDEO Assy	IC5401, Control signal series resistors		
			Disconnection of cable detected	CN1501			
8	ADRS	50 (43) ADDRESS	Power-down caused by detection of a power surge	ADR RESONANCE BLOCK	R1631, Q1601, D1602		3 o te: 50
		Assy	Power-down caused by detection of middle-point voltage	ADR RESONANCE BLOCK	Q1602, C1609, D1606, D1607) (43) ¹
			Disconnection of cable detected	CN1001, CN1201			*** A
6	X-DRIVE	50 (43) X DRIVE Assy	+16.5V OCP	X SUS BLOCK	IC1203, IC1207 (mask module), IC1204, IC1206, R1230		ssy m
			VRN OCP	X SUS BLOCK	Q1205, R1226, R1251		ean
			VRN OVP	VRN DC/DC	IC1403, IC1404		s 50
9	10 X-DCDC	50 (43) X DRIVE Assy	dyl i Ndy	VRN DC/DC	IC1402, IC1403, IC1404) ***
				X SUS BLOCK	Q1205, R1226, R1251		As
Ŧ	SUS-X	50 (43) X DRIVE Assy	Power-down caused by detection of middle-point voltage	X RESONANCE BLOCK	Q1102, Q1103, Q1105, Q1106, Q1108, Q1109, Q1109, Q1101, Q1112, IC1101, IC1102, Control signal series resistors		sy or 43
		DIGITAL VIDEO Assy	Power-down caused by detection of middle-point voltage	DIGITAL VIDEO Assy	IC5401, Control signal series resistors	OVP : Over Voltage Protection UVP : Under Voltage Protection	*** As
12	12 DIG-DCDC	DIGITAL VIDEO Assy	DCDC +3.3V, +1.5V OVP	DC DC CONVERTER BLOCK	U5601 (DC DC CONVERTER Module)	OCP : Over Current Protection	ssy.

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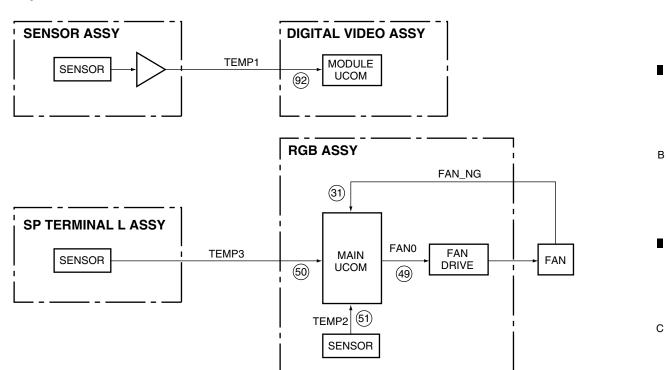
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7.1.3 PROCESSING AT THE TIME OF ABNORMALITIES

Fan and temperature sensor

Circuitry



Port monitoring specifications

Port Name	Shutdown Name	Assign	Control Microcomputer	Active	Remarks
FAN_NG	FAN	31	Main	Shutdown when the signal becomes high	Disconnection of the fan connector or abnormality in operation of the fan detected
TEMP1	Unit under high temperature	92	Module	Shutdown when	Monitoring high temperature of the panel, Drive system temperature compensation
TEMP2	Unit under high temperature	51	Main	the set value is exceeded	Monitoring high temperature of boards
TEMP3	Unit under high temperature	50	Main		Monitoring ambient temperature

7.1.4 TEMPERATURE COMPENSATION OF DRIVE SYSTEM VOLTAGE

Function: To control the DRIVE-system voltage according to the temperature (Temperature compensation functions such that the voltage is lowered on the lower-temperature side and the voltage becomes higher on the higher-temperature side.)

Purpose: For improving the yield by compensating for the temperature characteristics of the panel

Note: • Temperature compensation is performed only for the VSUS voltage, and not for the VOFS voltage. This compensation is controlled by the software.

• Temperature compensation is carried out with the value of TEMP1.

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7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM

Function: Only the power for the low voltage lines (16 V, 12 V, and 6.5 V) is on, and the power for the high voltage lines (VSUS, VADR) is off.

Usage: 1. Use when only an operational check for the low voltage lines is required, such as when making repairs.

2. Use when rewriting of a program for each microcomputer is required.

Methods: 1 Set the slide switch (S5201) on the DIGITAL VIDEO Assy to its upper position ("DRF" is mentioned on the board see Fig. below).

- 2. Send the "DRF" RS232C command to turn the large-signal system off.
- 3. Send the "DRN" RS232C command to turn the large-signal system on.

Notes:

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- As the unit enters Power-Down and Muting On mode when Methods 1 and 2 are performed, and power-downs other than those caused by the power (PS_PD) and DC-DC-converter (DIGITAL_DC-DC) circuits are not activated.
- If the slide switch is set from OFF to ON while the power is on, a power-down will occur. Be sure to turn the power off before switching the slide switch.
- Although the "DRF" RS232C command is enabled during Standby, if the power is turned on then turned off, the unit will return to "DRN" mode.

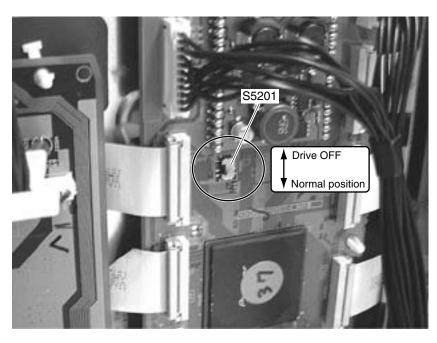


Fig. Drive OFF switch

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7.1.6 BACKUP THE ADJUSTMENT VALUES FOR THE MAIN UNIT

Outline

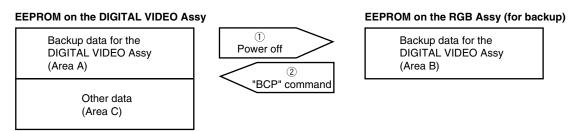
The data on the adjustment values for the main unit are stored in an EEPROM (IC5206, 4 kbits) on the DIGITAL VIDEO Assy. Part of the data (area A in the figure below) are automatically copied to an EEPROM (IC7102, 2 kbits) mounted on the RGB Assy for backup. When the DIGITAL VIDEO Assy is replaced, the backup data on the adjustment values for the main unit stored in the RGB Assy can be copied to the new DIGITAL VIDEO Assy, thus enabling you to omit newly performing adjustments on the main unit. The logs for the product (power-down log, etc.) can also be copied.

■ Data to be backed up in the digital EEPROM (area A)

- Margin adjustment values (Vsus, Vofset)
- Power upper-limit adjustment value (ABL)
- PANEL white-balance adjustment values (PANEL-R HIGH, PANEL-G HIGH, PANEL-B HIGH, PANEL-R LOW, PANEL-G LOW, PANEL-B LOW)
- Drive waveform adjustment values
 (X-SUS-U1, X-SUS-U2, X-SUS-D1, X-SUS-D2, Y-SUS-U1, Y-SUS-U2, Y-SUS-D1, Y-SUS-D2, Y-SUS-D3, Y-SUS-D4)
- · Hour meter
- · Pulse meter
- · Number of times the power has been turned on
- PD/SD logs

Basic flow of automatic backup

Using a keyword, the data in areas A and B are judged as to whether they have been adjusted or not, then copying is performed.

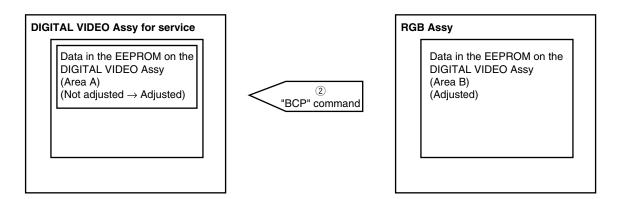


- ① The keyword on the DIGITAL VIDEO Assy is checked when the power is turned off, and if it is "adjusted", automatic backup is performed.
- ② If the keyword on the RGB Assy (Area B) is "adjusted," copying can be performed with the "BCP" RS232C command.

Actual automatic backup operations

1. When the DIGITAL VIDEO Assy is replaced with an Assy for service

Changing of keywords is not required. Replace the DIGITAL VIDEO Assy with an Assy for service, and send the "BCP" RS232C command. Thus, the backup data in the EEPROM on the RGB Assy are copied to the EEPROM on the DIGITAL VIDEO Assy for service.



2. When a repaired DIGITAL VIDEO Assy is mounted on another unit (reuse of the repaired DIGITAL VIDEO Assy)
The keyword of the DIGITAL VIDEO Assy to be reused must be changed to "not adjusted" using the "UAJ" RS232C command.

Note 1: If a repaired DIGITAL VIDEO Assy is mounted in another unit (Unit 2) without this change of keyword, and the power to the unit 2 is turned off, the data in force before the repair of the DIGITAL VIDEO Assy will be copied to Area B of the RGB Assy of Unit 2, overwriting the data necessary for Unit 2. Once overwritten, the original data will not be restored.

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- 3. When a repaired DIGITAL VIDEO Assy is mounted on the original unit (reuse of the repaired DIGITAL VIDEO Assy)
 Changing of keywords is not required. After the repaired DIGITAL VIDEO Assy is mounted in the original unit, the unit can operate with its latest adjustment values.
- 4. When both the DIGITAL VIDEO Assy and RGB Assy are simultaneously replaced with other assemblies. The automatic backup function of this unit will not work properly.
- Note 2: Readjustment of the main unit is required.
- Note 3: After readjustment of the main unit, send the "FAJ" RS232C command to change the keyword of the DIGITAL VIDEO Assy to "adjusted." Thus, when the unit is turned off, automatic backup of adjustment data is performed properly.
 - Note 4: If readjustment of the main unit is totally impossible, it can be omitted by installing the EEPROM (IC5206, 4 kbits) originally mounted on the DIGITAL VIDEO Assy for service.
 - Note 5: After copying the backup data, turn the power off then back on to reflect the copied backup data.

Miscellaneous

If the white balance (W/B) value is largely shifted because of aging, etc., W/B adjustment is required. (As this may be a rare case, the adjustment procedures are described below, just for your reference.

[W/B-adjustment procedures]

The W/B adjustment can be performed with the RS232C commands. Minolta CA-100 color difference meter are required.

- ① Send the "FAY" RS232C command to enter Factory mode.
- ② Set the keyword for the DIGITAL VIDEO Assy to "not adjusted" with the "UAJ" RS232C command.
- 3 Obtain the current adjustment values in the two adjustment tables (see "6.6 Command Description").
 - Shifting to Table 1: Send the "M51" and "F60" commands. Obtaining the adjustment values: Send the "GPW" command.
 - Shifting to Table 2: Send the "M51" and "F75" commands. Obtaining the adjustment values: Send the "GPW" command.
- 4 For each table, set the brightness.
 - Adjustment in Table 1: After sending the "F60" command, perform adjustment.
 - Adjustment in Table 2: After sending the "F75" command, perform adjustment.

For each table, change the RGB parameters so that the values measured using a Minolta color difference meter (CA-100) become as indicated below. In this case, any one of PRH, PGH, or PBH must be set to 256.

	Cd/mm
х	285
У	289

"PRH***" : 000 - 511 "PGH***" : 000 - 511 "PBH***" : 000 - 511

- 5 Check after adjustment
 - Shifting to Table 1: Send the "F60" command. Obtaining the adjustment values: Send the "GPW" command.
 - Shifting to Table 2: Send the "F75" command. Obtaining the adjustment values: Send the "GPW" command. Check that the adjustment data have been changed.
- © Change the keyword for the DIGITAL VIDEO Assy to "adjusted" by sending the "FAJ" RS232C command.
 Note: Use a Minolta CA-100 color difference meter or the equivalent for measurement. Otherwise, the specifications of the product of the
 - **Note:** Use a Minolta CA-100 color difference meter or the equivalent for measurement. Otherwise, the specifications of the product cannot be assured.
- Send the "FAN" RS232C command to enter Normal mode.
 - If the value is different from that you set, readjust it.

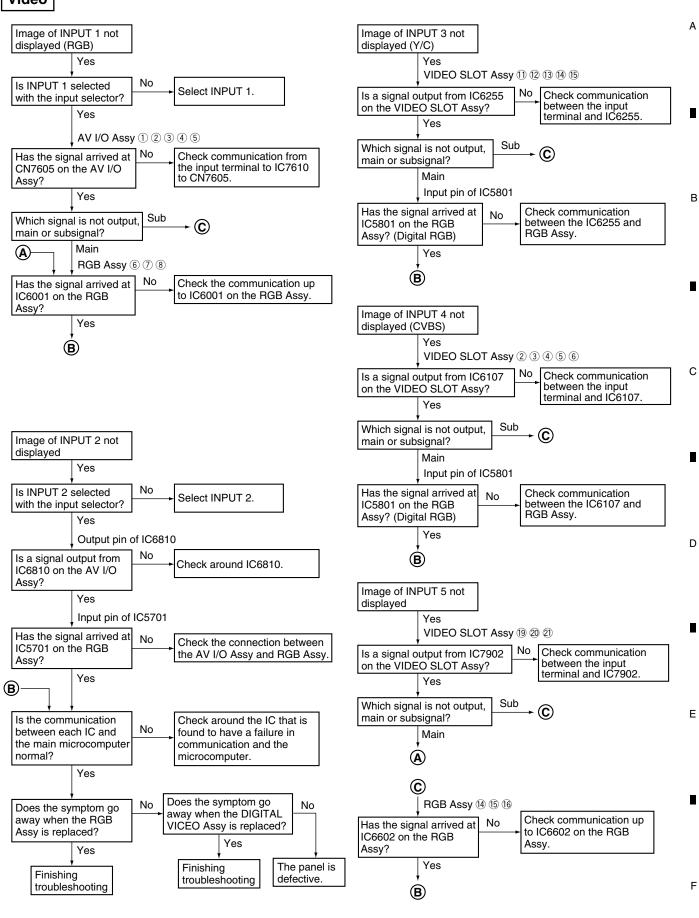
Note: To reset the adjustment to its original value, send the "BCP" RS232C command then turn the power off then back on to retrieve the backup data.

• The setting values for color temperature differ between Factory mode and Normal mode. Therefore, the setting value for color-difference signals in Normal mode are different from those in Factory mode, even after the White Balance adjustment has been performed.

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Audio No sound from the speakers Α Yes Are the SP cables Connect the SP cables properly connected? properly then check again. Is sound muting set? Cancel muting then check again. Is the volume set to 0? Raise the volume then check again. В Yes AUDIO AMP Assy 2 3 Is a signal output from IC5003 Yes Check the connection between on the AUDIO AMP Assy? the AUDIO AMP Assy and the SP Terminal Assy. No AUDIO AMP Assy 1 Has the signal arrived at IC5003 Yes Check around IC5003. on the AUDIO AMP Assy? No AV I/O Assy 12 Check around IC7605, IC7606, Is a signal output from IC7603 and IC7607 on the AV I/O Assy, on the AV I/O Assy? and the connection between the AV I/O Assy and AUDIO AMP Assy. Is communication between Has the signal arrived at Yes No IC7603 and the micro-Check the communication line. IC7603 on the AV I/O Assy? computer OK? No Yes Check around the IC7603. AV I/O Assy 11 Is a signal output from IC7601 No Check the communication on the AV I/O Assy? between IC7601 and IC7603. Yes Is IC7601 on the AV I/O Assy No Check the control line from properly controlled by the the microcomputer. microcomputer? Yes Check the communication between each input terminal and IC7601.

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7.1.8 CANCELING DETECTION BY THE TRAP SWITCH

Canceling detection by the TRAP switch

Outline: For video data transmission from the HDMI input to the plasma display, digital signals are used. Therefore, this unit adopts the HDCP (High-bandwidth Digital Content Protection) system for copyright protection. This unit is also provided with a

detection switch (TRAP switch) that will prohibit the unit from being turned on again if the rear case of the unit is opened, in order to prevent the panel technology from being leaked out.

Function: To deactivate the detection of the TRAP switch

Purposes: 1. During production of this unit, adjusting with the rear cover opened is possible.

2. During servicing or repairing, diagnoses of the assemblies are possible while the power is on.

Methods: For setting, use RS232C commands:

TSN: Ignore the monitoring of the switch CTM: Clear the detection log of the switch TSY: Reactivate monitoring of the switch

Notes:

- The TRAP switch is located on the chassis (see Fig. below).
- Once rear case opening is detected, send the TSN and CTM commands.
- Because the TSN command is not stored in memory, monitoring of the switch can be reactivated by turning the unit off then back on.
- The same setting is possible using the Factory menu.

• How to enter Factory mode using the remote control unit

Please refer to the technical documentation (Service knowhow).

How to clear the detection log of the TRAP switch

In the INITIALIZE layer, hold the OSD key on the remote control unit pressed for at least 3 seconds.

After a power-down, to cancel detection of the TRAP switch using only the remote control unit, follow the procedures below.

First, fix the TRAP switch to its depressed position. Set the drive ON/OFF switch in the DIGITAL VIDEO Assy to OFF, Then enter the Factory mode. Press the MUTE key five times, then hold the DISPLAY key pressed for at least 4 seconds. Set the AC switch on the panel to OFF. The log is also cleared. Then set the drive ON/OFF switch to ON.

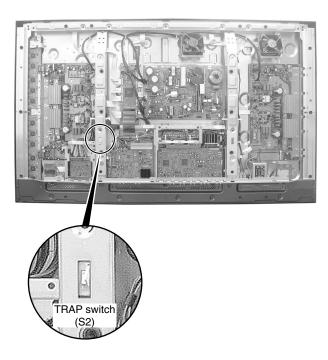


Fig. TRAP switch

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7.1.9 DISASSEMBLY

• PDP-5004, PDP-5014 models

1 Rear Case, Front Case Assy

(1) Remove the grip by removing the four screws. Note:

When reattaching the grip, be sure to securely tighten the screws.

(2) Remove the six screws.

Remove the seventeen screws.

Note:

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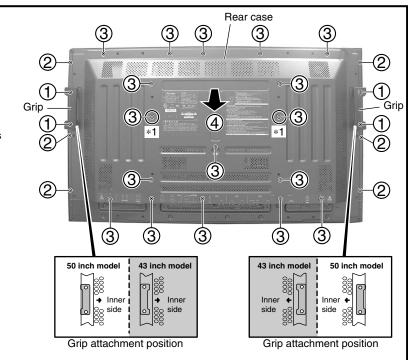
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When reattaching the rear case, first attach the screws for the holes indicated with *1 to place the rear case in the correct position.

(4) Remove the rear case.



(5) Remove the three screws.

(6) Remove the one rivet.

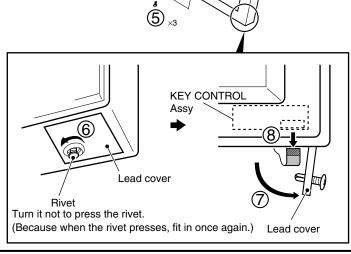
(7) Remove the lead cover.

(8) Disconnect the flexible cable.

(9) Remove the front case Assy.

Note:

If only the front case Assy must be removed, without removing the rear case, perform the steps 5 to 9.





Front case Assy

9-1

Diagnosis of AV I/O Assy

- (1) Remove the Three screws.
- (2) Remove the two hexagon head screws.
- (3) Remove the one screw.
- ig(4) Remove the one pin grommet.
- (5) Remove the AV I/O Assy with the AV I/O I/F Assy.

- (6) Remove the AV I/O Assy from the AV I/O I/F Assy.
- (7) Connect the AV I/O Assy to slot of the RGB Assy.



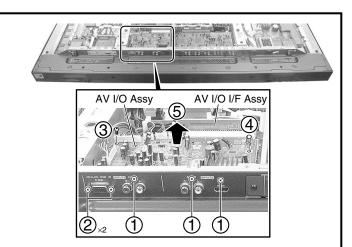
The cooling fan may rotate during diagnosis, in the following cases:

- · When the rotation speed of the fan has been set to maximum for Integrator mode
- When the ambient temperature surrounding the temperature sensor is 35°C or higher

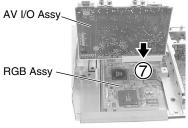
Removing Multi Base Section

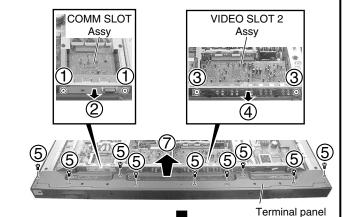
- $m{(1)}$ Remove the two Torque screws.
- (2) Remove the COMM SLOT Assy.
- (3) Remove the two Torque screws.
- (4) Remove the VIDEO SLOT 2 Assy.
- (5) Remove the nine screws.
- 6 Disconnect the some connectors at need.
- (7) Remove the terminal panel.
- (8) Remove the two screws.
- (9) Disconnect the some connectors at need.
- (10) Remove the multi base section.

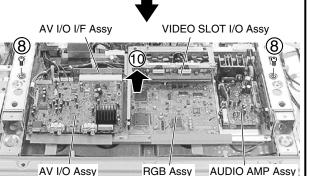
Some tiny metal shavings may be released from the paring screw section when the VIDEO SLOT I/F Assy is detached from the sheet metal and is reattached to it. Be sure to clear away any shavings or other foreign matter before reattaching it to the RGB













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X CONNECTOR A and B Assy

(1) Remove the enclosure sheet 1.

Note: -

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Enclosure sheet 1 is attached to comply with the safety standards. Make sure that it will not be shifted or peeled off. If it is peeled off, securely reattach it in its original place.

- (2) Remove the jumper wire by removing the flat clamp.
- (3) Remove the one nyron rivet.
- (4) Remove the one screw.

Note: Be sure to remove this screw. If you don't, the connector on the LED Assy may be damaged.

- (5) Remove the LED Assy.
- Remove the front chassis VR (50M) by removing the five screws.
- (7) Remove the eight screws.
- f 8 Remove the X CONNECTOR A and B Assy.

Note when reassembling the front chassis VR (50M)

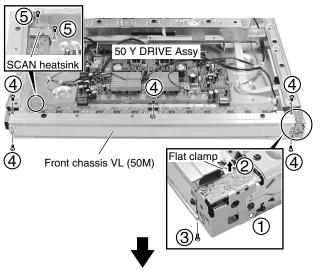
Remove or loosen the screws that secure the panel holder in order not to damage the front protect panel Assy.

Front chassis VR (50M) Flat clamp Enclosure sheet 1 50 X DRIVE Assy LED Assy 8

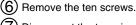
X CONNECTOR B Assy

● 50 SCAN A and B Assy

- (1) Remove the one nylon rivet.
- \bigcirc Remove the jumper wire by removing the flat clamp.
- (3) Remove the one screw.
- Remove the front chassis VL (50M) by removing the five screws.
- \bigcirc Remove the SCAN heatsink by removing the two screws.



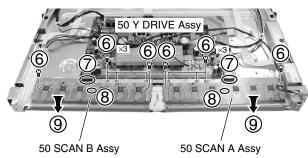
X CONNECTOR A Assy



- Disconnect the two pin connectors.
- (8) Remove the two spacers.
- 9 Remove the 50 SCAN A and B Assy.

Note when reassembling the front chassis VL (50M)

Remove or loosen the screws that secure the panel holder in order not to damage the front protect panel Assy.



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1 Rear Case, Front Case Assy

 $\left(1\right)$ Remove the grip by removing the four screws.

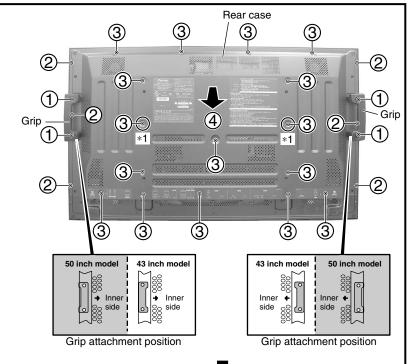
When reattaching the grip, be sure to securely tighten the screws.

- (2) Remove the six screws.
- (3) Remove the sixteen screws.

Note:

When reattaching the rear case, first attach the screws for the holes indicated with *1 to place the rear case in the correct position.

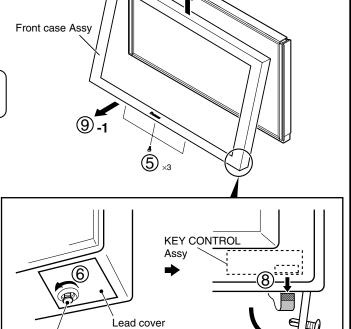
(4) Remove the rear case.



- (5) Remove the three screws.
- (6) Remove the one rivet.
- (7) Remove the lead cover.
- 8 Disconnect the flexible cable.
- (9) Remove the front case Assy.

✓ Note:

If only the front case Assy must be removed, without removing the rear case, perform the steps 5 to 9.



(Because when the rivet presses, fit in once again.) Lead cover



Rivet Turn it not to press the rivet.

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2 Multi Base Section

Diagnosis of AV I/O Assy

- (1) Remove the three screws.
- (2) Remove the two hexagon head screws.
- (3) Remove the one screw.
- (4) Remove the one pin grommet.
- (5) Remove the AV I/O Assy with the AV I/O I/F Assy.

(6) Remove the AV I/O Assy from the AV I/O I/F Assy.

Connect the AV I/O Assy to slot of the RGB Assy.



Note:

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The cooling fan may rotate during diagnosis, in the following cases:

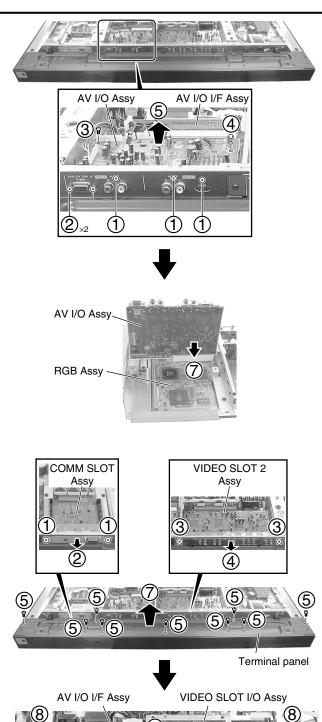
- When the rotation speed of the fan has been set to maximum for Integrator mode
- When the ambient temperature surrounding the temperature sensor is 35°C or higher

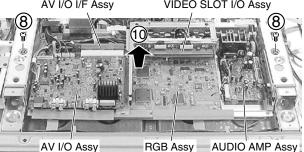
Removing Multi Base Section

- $(\mathbf{1})$ Remove the two Torque screws.
- (2) Remove the COMM SLOT Assy.
- (3) Remove the two Torque screws.
- (4) Remove the VIDEO SLOT 2 Assy.
- (5) Remove the nine screws.
- (6) Disconnect the some connectors at need.
- $\overline{7}$ Remove the terminal panel.
- 8 Remove the two screws.
- (9) Disconnect the some connectors at need.
- (10) Remove the multi base section.

Note:

Some tiny metal shavings may be released from the paring screw section when the VIDEO SLOT I/F Assy is detached from the sheet metal and is reattached to it. Be sure to clear away any shavings or other foreign matter before reattaching it to the RGB Assy.





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● X CONNECTOR A and B Assy

 \bigcirc Remove the enclosure sheet 1.

Note:

Enclosure sheet 1 is attached to comply with the safety standards. Make sure that it will not be shifted or peeled off. If it is peeled off, securely reattach it in its original place.

- \bigcirc Remove the jumper wire by removing the flat clamp.
- (3) Remove the one nylon rivet.
- (4) Remove the one screw.

Note: Be sure to remove this screw. If you don't, the connector on the LED Assy may be damaged.

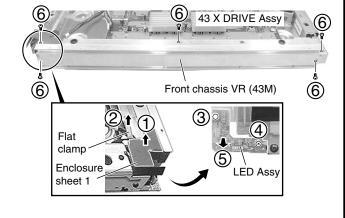
- (5) Remove the LED Assy.
- Remove the front chassis VR (43M) by removing the five screws.
- (7) Remove the six screws.
- (8) Remove the X CONNECTOR A and B Assy.

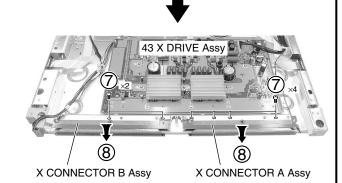
Note when reassembling the front chassis VR (43M)

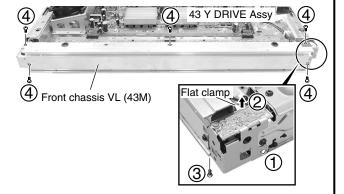
Remove or loosen the screws that secure the panel holder in order not to damage the front protect panel Assy.

43 SCAN A and B Assy

- (1) Remove the one nylon rivet.
- (2) Remove the jumper wire by removing the flat clamp.
- (3) Remove the one screw.
- Remove the front chassis VL (43M) by removing the five screws.



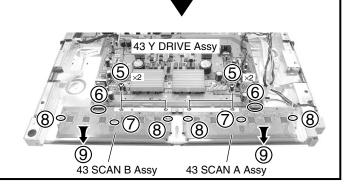




- (5) Remove the four screws.
- (6) Disconnect the two pin connectors.
- (7) Remove the two spacers.
- 8 Remove the four spacers.
- (9) Remove the 43 SCAN A and B Assy.

Note when reassembling the front chassis VL (43M)

Remove or loosen the screws that secure the panel holder in order not to damage the front protect panel Assy.



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7.2 IC INFORMATION

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

List of IC

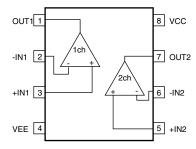
BA10393F, BA10358F, STK795-512, STK795-513, STK795-510, STK795-511, AN16003A, SN755864APZP, MBM29PL160BD-75PFTN, M30626FHPGP-P, PD5856A, AN5870SB, AD9883AKST-110, SM5301BS, BA7078AF, IC42S32200-7TG-K, MBM29PL3200BE70PFV, CXA3516R, SII9993CTG100, IC42S16100-7TG-K, LA4625

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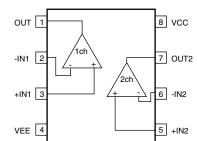
■ BA10393F (50 X DRIVE ASSY : IC1103), (43 X DRIVE ASSY : IC1103) (50 Y DRIVE ASSY : IC2211), (43 Y DRIVE ASSY : IC2211)

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- Comparator IC
- Pin Arrangement (Top View) / Block Diagram



- BA10358F (50 Y DRIVE ASSY : IC2406), (43 Y DRIVE ASSY : IC2406)
 - Ope-Amp. IC
- Pin Arrangement (Top View) / Block Diagram



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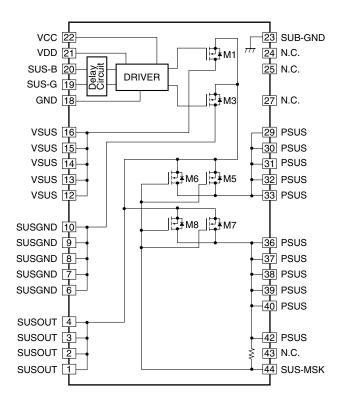
STK795-512 (50 X DRIVE ASSY : IC1203, IC1207)

6

• PDP Mask Module IC

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Block Diagram

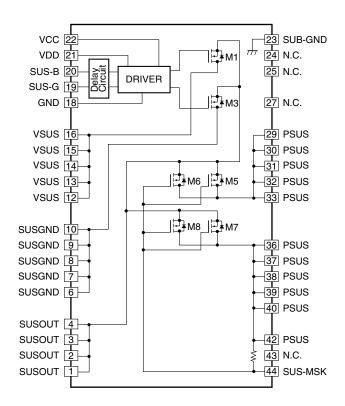


■ STK795-513 (50 Y DRIVE ASSY : IC2303, IC2307)

• PDP Mask Module IC

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Block Diagram



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■ STK795-510 (43 X DRIVE ASSY: IC1203, IC1207)

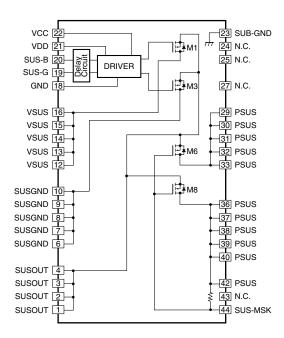
- PDP Mask Module IC
- Block Diagram

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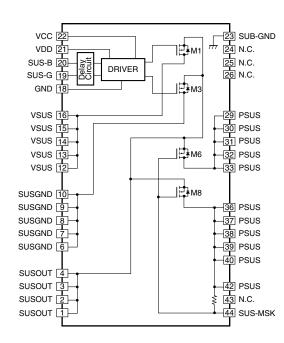
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■ STK795-511 (43 Y DRIVE ASSY: IC2303, IC2307)

- PDP Mask Module IC
- Block Diagram



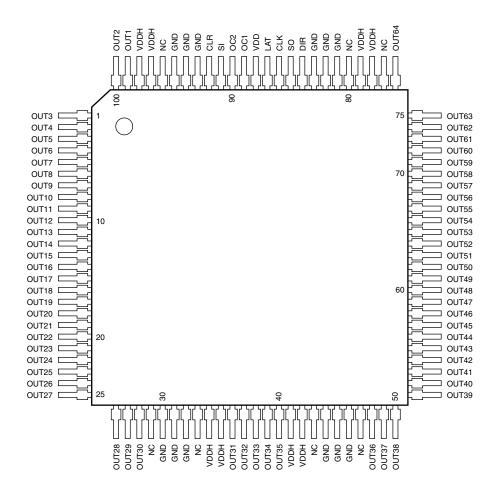
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■ AN16003A (50 SCAN A ASSY : IC3001 - IC3006) (50 SCAN B ASSY: IC3201 - IC3206)

• Plasma Display Panel IC

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• Pin Arrangement (Top View)



Pin Function

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No.	Pin Name	Туре	Function			
1	OUT3					
2	OUT4					
3	OUT5					
4	OUT6					
5	OUT7	Outro	High-voltage push-pull output pin			
6	OUT8	Output				
7	OUT9					
8	OUT10					
9	OUT11					
10	OUT12					

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No. Pin Name **Function** Type 11 OUT13 OUT14 12 OUT15 13 14 OUT16 15 OUT17 16 OUT18 17 OUT19 OUT20 18 19 OUT21 Output High-voltage push-pull output pin 20 OUT22 21 OUT23 22 OUT24 23 OUT25 24 OUT26 25 OUT27 26 OUT28 OUT29 27 28 OUT30 N.C Not connected 29 30 GND 31 GND Ground Ground pin GND 32 33 N.C Not connected **VDDH** Supply High-voltage circuit supply pin 35 **VDDH** OUT31 OUT32 37 38 OUT33 Output High-voltage push-pull output pin 39 OUT34 40 OUT35 **VDDH** Supply High-voltage circuit supply pin 42 **VDDH** N.C 43 Not connected 44 GND 45 GND Ground Ground pin 46 GND 47 N.C _ Not connected 48 OUT36 49 OUT37 OUT38 50 51 OUT39 OUT40 53 OUT41 54 OUT42 Output High-voltage push-pull output pin 55 OUT43 56 OUT44 57 OUT45 OUT46 OUT47 59 OUT48

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No.	Pin Name	Туре	Function
61	OUT49		
62	OUT50	1	
63	OUT51	1	
64	OUT52	1	
65	OUT53	1	
66	OUT54		
67	OUT55	1	
68	OUT56	1	
69	OUT57	Output	High-voltage push-pull output pin
70	OUT58		
71	OUT59		
72	OUT60	1	
73	OUT61	1	
74	OUT62	1	
75	OUT63		
76	OUT64	1	
77	N.C	_	Not connected
78	VDDH		
79	VDDH	Supply	High-voltage circuit supply pin
80	N.C	_	Not connected
81	GND		
82	GND	Ground	Ground pin
83	GND		
84	DIR	Input	Setup pin of sift register sift direction L: Shift into reverse (SO \rightarrow SI) H: Shift forward (SI \rightarrow SO)
85	so	Input / Output	Serial data input/output pin
86	CLK	Input	Serial clock input pin Fetch SI or SO data to sift register by CLK rise edge
87	LAT	Input	LAT data input pin L: Transfer shft register data to output latch H: Hold data to output latch
88	VDD	Supply	Logic supply pin
89	OC1		Output control pin
90	OC2	Input	Control output according to the right truth value table L H DATA H L ALL L H H ALL H
91	SI	Input / Output	Serial data input/output pin
92	CLK	Input	All output reset pin CLK pin: $L \rightarrow Normal$ operation CLK pin: $H \rightarrow All$ output High
93	GND		
94	GND	Ground	Ground pin
95	GND]	
96	N.C	_	Not connected
97	VDDH	Committee	High veltage signiff graphy pin
98	VDDH	Supply	High-voltage circuit supply pin
99	OUT1	O. stm : st	High voltage push pull output pin
100	OUT2	Output	High-voltage push-pull output pin

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■ SN755864APZP (43 SCAN A ASSY : IC3001 - IC3006) (43 SCAN B ASSY : IC3201 - IC3206)

• Plasma Display Panel IC

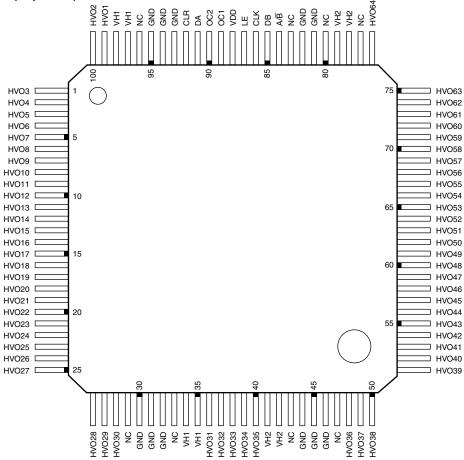
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• Pin Arrangement (Top View)



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Pin Function

Pin	Pin Name	I/O	Function
86	CLK	I	Shift clock (rising edge valid)
91	DA	I/O	Serial data input/output of shift register
85	DB	I/O	Serial data input/output of shift register
92	CLR	I	High-level clears data of shift register
87	LE	1	Low-level: through, High-level: latch
84	A/B	1	Shift direction control signal of shift register
89	OC1	- 1	HVO output control
90	OC2	- 1	HVO output control
1-28,36-40,48-76,99,100	HVO1-HVO64	0	High-voltage drive output (HVO1 to HVO64)
88	VDD	-	Logic supply
30-32,44-46,81,82,93-95	GND	_	GND for logic circuits Common to HVO1 to HVO64.
34,35,97,98	VH1	_	Common high voltage power supply for HVO1 to 32.
41,42,78,79	VH2	_	Common high voltage power supply for HVO33 to 64.
29,33,43,47,77,80,83,96	NC	_	Electrically isolated

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Block Diagram

DQ₀ to DQ₁₅ Vcc — Vss ___ Erase Voltage Generator Input/Output Buffers WE-State Control BYTE Command Register Program Voltage Generator Chip Enable Output Enable STB Data Latch Logic CE ŌE -Y-Gating Y-Decoder STB Timer for Program/Erase Low Vcc Detector Address Latch X-Decoder Cell Matrix A_0 to A_{19} **A**-1

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■ M30626FHPGP-P (DIGITAL VIDEO ASSY : IC5201)

• PDP μCOM
• Pin Function

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No.	Io. Pin Name Function		I/O	ACTIVE
1	VSUS	[D/A] Vofs power control	0	
2	VOFS	[D/A] Vofs power control	0	
3	TXD_IC4	3 serial communication with IC4MANTA - data transmission	0	
4	RXD_IC4	3 serial communication with IC4MANTA - data receive	I	
5	CLK_IC4	3 serial communication with IC4MANTA - clock output	0	
6	BYTE	(GND connection)	ı	
7	CNVSS	Pin for processor mode setting (pull-down)	I	
8	NC	NC pin		
9	NC	NC pin		
10	RST_MD	Reset input		L
11	XOUT	Output for main clock	0	_
12	VSS	GND	_	_
13	XIN	Input for main clock		_
14	VCC1	Power supply = STB3.3V	_	_
15	NMI	(pull-up)	ı	
16	REM_B	(Interruption) Remote control signal input (in the panel unit)	l i	
17	KEY_B	(Interruption) Key signal input (in the panel unit)	<u>·</u> i	
18	RST2	(Interruption) IC4 reset detection	<u>'</u> l	L
19	HD_IN_B	HD signal existence distinction	<u>·</u> 	L
20	PD_MUTE	Mute the power down output to the POWER SUPPLY Unit	0	L
21	PS_PD	PD signal in the POWER SUPPLY Unit		H
22	DCC_PD	PD signal of DC-DC converter	<u>'</u>	H
23	NC	NC pin	<u>!</u>	!!
<u>23 </u>	NC	NC pin		
2 4 25	VD_IN	-	ı	L
26 26	EEPRST	V. frequency count EEPROM power SW	0	Н
20 <u> </u>	E_SCL	IIC clock output for EEPROM	0	11
28	E_SDA	IIC data I/O for EEPROM	1/0	
				+
29	TXD	Communication with flash ROM writer - data transmission	<u> </u>	
30	RXD SCLK	Communication with floah ROM writer - data receive	<u>'</u> 	
		Communication with flash ROM writer - clock input	-	
32	BUSY	Communication with flash ROM writer - busy output	0	
33	TXD0	UART communication with main UCOM (external PC) - data transmission	0	
34	RXD0	UART communication with main UCOM (external PC) - data receive	ı	
35	NC BEO MD	NC pin		11
36	REQ_MD	Communication request to the main UCOM	0	Н
37	PSW_D	Mute of DC-DC converter	0	H
38	WE_IC4	In IC4 (MANTA) rewriting, control for communication path switch	0	Н
39	EPM POT	Setting pin for flash rewriting mode (pull-down)	<u> </u>	
40	IC4_RST	IC4 forced reset	0	L L
41	IC4_CE	Enable for IC4 communication	0	L L
42	IC4_BUSY	Busy input for IC4 communication	<u> </u>	H
43	REQ_IC4	Communication request from the IC4	<u> </u>	H
44	CE	Setting pin for flash rewriting mode (pull-up)	<u>!</u>	
45	PSIZE	Panel size distinction	<u> </u>	
46	B_SCL	IIC clock output for backup EEPROM	0	Н
47	B_SDA	IIC DATA I/O for backup EEPROM	I/O	Н
48	ADR_PD	PD signal of address junction	l	Н
40	LED_G	Green LED control	0	L
49 50	LED_R	Red LED control	0	_

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No.	Pin Name	Function	1/0	ACTIVE
51	DRV_OFF	Driving OFF	0	Н
52	RELAY	Power ON control output	0	Н
53	POWER	Power ON control input	ı	Н
54	MR_ST_B	MDR connection detection	ı	L
55	OP_DET	Rear case open detection	ı	
56	NC	NC pin	•	
57	PNL_MUTE	Panel mute	1	
58	DITHER	PC/VIDEO dither switch (panel module exclusive use)	<u>.</u>	
59	NC	NC pin	•	
60	VCC2	Power supply = STB 3.3V		+
61	PD_TRG	PD detection	1	L
62	VSS	GND	<u> </u>	+ -
63	VH_PD	Vh power decrease PD		Н
64	YDRV_PD	Y drive PD signal	<u>'</u>	H H
65	YRES_PD	Y drive PD signal	<u>.</u> 	H H
66	YDCDC_PD	PD signal of Y drive DC-DC converter	<u>!</u> 	H
			<u> </u>	
67	IC5V_PD	5V power decrease PD	<u> </u>	H
68	XSUS_PD	X drive PD signal	<u> </u>	H
69	XDCDC_PD	PD signal of X drive DC-DC converter	<u> </u>	H
70	XDRV_PD	X drive PD signal	l	H
71	NC	NC pin		<u> </u>
72	MR_AC	MR power monitor	<u> </u>	H
73	AC_DET	AC power monitor at panel side (same signal as CST1)	<u> </u>	L
74	DVI_MUTE	Mute of panel link output	0	H
75	A_MUTE	Audio mute	0	Н
76	A_NG	Audio NG detection	ļ	L
77	A_SCL	IIC clock output for audio/others	0	L
78	A_SDA	IIC data I/O for audio/others	I/O	L
79	TRUBASS	TRUBASS ON/OFF	0	Н
80	STB_SW	Standby setting of audio amp.	0	L
81	FOCUS	FOCUS ON/OFF	0	Н
82	SRS	SRS ON/OFF	0	Н
83	DDC_WP	DDCROM write protection	0	Н
84	DVI_DET	DVI cable disconnection detection	I	Н
85	RSTBTMDS	Reset detection of panel link receiver	I	L
86	L_SYNC	DE omission detection of the panel link	I	L
87	NC	NC pin		
88	NC	NC pin		
89	MASK1	[A/D] Mask display setting	I	
90	MAX_PLS2	[A/D] Brightness setting for panel module	I	
91	MAX_PLS1	[A/D] Brightness setting for panel module	I	
92	TEMP	[A/D] AD input for temperature sensor	<u> </u>	
93	MODE	[A/D] Operation mode setting	<u>·</u>	
94	AVSS	GND for A/D input	<u> </u>	_
95	MODEL	[A/D] CMX/HD/TV/WX distinction		
96	VREF	Reference voltage for A/D input		
97	AVCC	Power supply for A/D input = STB3.3V		-
98	NC	NC pin	-	1
99	NC	NC pin		
100	AMG_MD	Address emergency monitor	I	Н
100	_ AIVIU_IVID	Address emergency monitor	ı	17

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■ PD5856A (DIGITAL VIDEO ASSY : IC5401) • PDP ASIC IC4

Pin Function	•	Pin	Function
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Ball No.	No.	Pin Name	Function
A1	1	BAI_6	A phase signal input of B video (sixth bit)
B1	2	BAI_5	A phase signal input of B video (fifth bit)
C1	3	BAI_4	A phase signal input of B video (fourth bit)
D1	4	NC	NC pin
E1	5	NC	NC pin
F1	6	BAI_3	A phase signal input of B video (fifth bit)
G1	7	BAI_2	A phase signal input of B video (fourth bit)
H1	8	FIELD	FIELD signal input
J1	9	XSUSB_12	X-Drive control signal output
K1	10	XSUSB_10	X-Drive control signal output
L1	11	XSUSB_4	X-Drive control signal output
M1	12	XSUSB_0	X-Drive control signal output
N1	13	XSUSA_10	X-Drive control signal output
P1	14	XSUSA_4	X-Drive control signal output
R1	15	XSUSA_2	X-Drive control signal output
T1	16	ADRS_0	Address control signal output
U1	17	AD6TXOUT3M	Address LVDS signal output
V1	18	AD6TXCLKOUTM	Address LVDS signal output
W1	19	AD6TXOUT2M	Address LVDS signal output
Y1	20	AD6TXOUT1M	Address LVDS signal output
AA1	21	AD6TXOUT0M	Address LVDS signal output
AB1	22	AD7TXOUT3M	Address LVDS signal output
AC1	23	AD7TXCLKOUTM	Address LVDS signal output
AD1	24	AD7TXOUT2M	Address LVDS signal output
AE1	25	AD7TXOUT1M	Address LVDS signal output
AF1	26	AD7TXOUT0M	Address LVDS signal output
AF2	27	AD7TXOUT0P	Address LVDS signal output
AF3	28	VSSLA	GND
AF4	29	AD3TXOUT3M	Address LVDS signal output
AF5	30	AD3TXCLKOUTM	Address LVDS signal output
AF6	31	AD3TXOUT2M	Address LVDS signal output
AF7	32	AD3TXOUT1M	Address LVDS signal output
AF8	33	AD3TXOUT0M	Address LVDS signal output
AF9	34	AD2TXOUT3M	Address LVDS signal output
AF10	35	AD2TXCLKOUTM	Address LVDS signal output
AF11	36	AD2TXOUT2M	Address LVDS signal output
AF12	37	AD2TXOUT1M	Address LVDS signal output
AF13	38	AD2TXOUT0M	Address LVDS signal output
AF14	39	AD1TXOUT3M	Address LVDS signal output
AF15	40	AD1TXCLKOUTM	Address LVDS signal output
AF16	41	AD1TXOUT2M	Address LVDS signal output
AF17	42	AD1TXOUT1M	Address LVDS signal output
AF18	43	AD1TXOUT0M	Address LVDS signal output
AF19	44	AD0TXOUT3M	Address LVDS signal output
AF20	45	AD0TXCLKOUTM	Address LVDS signal output
AF21	46	AD0TXOUT2M	Address LVDS signal output
AF22	47	AD0TXOUT1M	Address LVDS signal output
AF23	48	AD0TXOUT0M	Address LVDS signal output
AF24	49	VSSL15	GND
AF25	50	AD4TXOUT3P	Address LVDS signal output

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Ball No.	No.	Pin Name	Function
AF26	51	AD4TXOUT3M	Address LVDS signal output
AE26	52	AD4TXCLKOUTM	Address LVDS signal output
AD26	53	AD4TXOUT2M	Address LVDS signal output
AC26	54	AD4TXOUT1M	Address LVDS signal output
AB26	55	AD4TXOUT0M	Address LVDS signal output
AA26	56	AD5TXOUT3M	Address LVDS signal output
Y26	57	AD5TXCLKOUTM	Address LVDS signal output
W26	58	AD5TXOLROOTM AD5TXOUT2M	Address LVDS signal output
V26	59	AD5TXOUT1M	Address LVDS signal output
U26	60	AD5TXOUT0M	Address LVDS signal output
T26	61	SDIDBI_N	JTAG signal
R26	62	SDIJTAG	JTAG signal
P26	63	GPIO0_3	Microcomputer macro general-purpose port
N26	64	GPIO0_3	Microcomputer macro general-purpose port
M26	65	YSUSA_4	Y-Drive control signal output
L26	66	YSUSA_10	Y-Drive control signal output
K26	67	YSUSA_14	Y-Drive control signal output
J26	68	YSUSB_4	Y-Drive control signal output
H26		YSUSB_6	Y-Drive control signal output
-	69		
G26	70	YSUSB_10	Y-Drive control signal output
F26	71	YSUSB_14	Y-Drive control signal output
E26	72	NC NO	NC pin
D26	73	NC	NC pin
C26	74	SCAN_10	Scan control signal output
B26	75	CSIOTXD	Communication with microcomputer
A26	76	CSRD_N	Communication with microcomputer
A25	77	CSCS_N0	Communication with microcomputer
A24	78	EXA16	Flash memory address bus
A23	79	EXA15	Flash memory address bus
A22	80	EXA14	Flash memory address bus
A21	81	EXA13	Flash memory address bus
A20	82	EXA12	Flash memory address bus
A19	83	EXA10	Flash memory address bus
A18	84	EXA7	Flash memory address bus
A17	85	EXA1	Flash memory address bus
A16	86	EXDIO_3	Flash memory data bus
A15	87	EXDIO_5	Flash memory data bus
A14	88	EXDIO_11	Flash memory data bus
A13	89	TRNSEND_O	NC pin
A12	90	RBI_5	B phase signal input of R video (fifth bit)
A11	91	RBI_0	B phase signal input of R video (0 bit)
A10	92	GBI_8	B phase signal input of G video (eighth bit)
A9	93	GBI_2	B phase signal input of G video (second bit)
A8	94	BBI_6	B phase signal input of B video (sixth bit)
A7	95	BBI_0	B phase signal input of B video (0 bit)
A6	96	VDI	VD signal input
A5	97	RAI_5	A phase signal input of R video (fifth bit)
A4	98	DCLKI	CLK input
A3	99	GAI_4	A phase signal input of G video (fourth bit)
A2	100	BAI_9	A phase signal input of B video (ninth bit)

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Ball No.	No.	Pin Name	Function
B2	101	BAI_8	A phase signal input of B video (eighth bit)
C2	102	BAI_7	A phase signal input of B video (seventh bit)
D2	103	GND	GND
E2	104	NC	NC
F2	105	NC	NC
G2	106	BAI_1	A phase signal input of B video (first bit)
H2	107	XSUSB_15	X-Drive control signal output
J2	108	GND	GND
K2	109	XSUSB_9	X-Drive control signal output
L2	110	XSUSB_3	X-Drive control signal output
M2	111	XSUSA_15	X-Drive control signal output
N2	112	XSUSA_9	X-Drive control signal output
P2	113	GND	GND
R2	114	XSUSA_1	X-Drive control signal output
T2	115	TEST2	Test signal input (Not used)
U2	116	AD6TXOUT3P	Address LVDS signal output
V2	117	AD6TXCLKOUTP	Address LVDS signal output
W2	118	AD6TXOUT2P	Address LVDS signal output
Y2	119	AD6TXOUT1P	Address LVDS signal output
AA2	120	AD6TXOUT0P	Address LVDS signal output
AB2	121	AD7TXOUT3P	Address LVDS signal output
AC2	122	AD7TXCLKOUTP	Address LVDS signal output
AD2	123	AD7TXOUT2P	Address LVDS signal output
AE2	124	AD7TXOUT1P	Address LVDS signal output
AE3	125	VSSLA	GND
AE4	126	AD3TXOUT3P	Address LVDS signal output
AE5	127	AD3TXCLKOUTP	Address LVDS signal output
AE6	128	AD3TXOUT2P	Address LVDS signal output
AE7	129	AD3TXOUT1P	Address LVDS signal output
AE8	130	AD3TXOUT0P	Address LVDS signal output
AE9	131	AD2TXOUT3P	Address LVDS signal output
AE10	132	AD2TXCLKOUTP	Address LVDS signal output
AE11	133	AD2TXOUT2P	Address LVDS signal output
AE12	134	AD2TXOUT1P	Address LVDS signal output
AE13	135	AD2TXOUT0P	Address LVDS signal output
AE14	136	AD1TXOUT3P	Address LVDS signal output
AE15	137	AD1TXCLKOUTP	Address LVDS signal output
AE16	138	AD1TXOUT2P	Address LVDS signal output
AE17	139	AD1TXOUT1P	Address LVDS signal output
AE18	140	AD1TXOUT0P	Address LVDS signal output
AE19	141	AD0TXOUT3P	Address LVDS signal output
AE20	142	AD0TXCLKOUTP	Address LVDS signal output
AE21	143	AD0TXOUT2P	Address LVDS signal output
AE22	144	AD0TXOUT1P	Address LVDS signal output
AE23	145	AD0TXOUT0P	Address LVDS signal output
AE24	146	VSSL15	GND
AE25	147	AD4TXCLKOUTP	Address LVDS signal output
AD25	148	AD4TXOUT2P	Address LVDS signal output
AC25	149	AD4TXOUT1P	Address LVDS signal output
AB25	150	AD4TXOUT0P	Address LVDS signal output

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Ball No.	No.	Pin Name	Function
AA25	151	AD5TXOUT3P	Address LVDS signal output
Y25	152	AD5TXCUT3P AD5TXCLKOUTP	
W25	153		Address LVDS signal output Address LVDS signal output
		ADSTXOUT2P	·
V25	154	ADSTXOUT1P	Address LVDS signal output
U25	155	AD5TXOUT0P	Address LVDS signal output
T25	156	SDITRST_N	JTAG signal
R25	157	RESETX	Reset input
P25	158	GND	GND
N25	159	GPIO0_0	Microcomputer macro general-purpose port
M25	160	YSUSA_5	Y-Drive control signal output
L25	161	YSUSA_11	Y-Drive control signal output
K25	162	YSUSA_15	Y-Drive control signal output
J25	163	GND	GND
H25	164	YSUSB_7	Y-Drive control signal output
G25	165	YSUSB_11	Y-Drive control signal output
F25	166	NC	NC pin
E25	167	NC	NC pin
D25	168	GND	GND
C25	169	SCAN_11	Scan control signal output
B25	170	CSIORXD	Communication with UCOM
B24	171	CSIOSCKI	Communication with UCOM
B23	172	UARTTXD	Communication with UCOM
B22	173	UARTRXD	Communication with UCOM
B21	174	CSWR_N0	Communication with UCOM
B20	175	GND	GND
B19	176	EXA9	Flash memory address bus
B18	177	EXA6	Flash memory address bus
B17	178	EXA0	Flash memory address bus
B16	179	GND	GND
B15	180	EXDIO_6	Flash memory data bus
B14	181	EXDIO_12	Flash memory data bus
B13	182	RBI_9	B phase signal input of R video (ninth bit)
B12	183	RBI_4	B phase signal input of R video (fourth bit)
B11	184	GND	GND
B10	185	GBI_7	B phase signal input of G video (seventh bit)
B9	186	GBI_1	B phase signal input of G video (first bit)
B8	187	BBI_5	B phase signal input of B video (fifth bit)
B7	188	GND	GND
В6	189	HDI	HD signal input
B5	190	RAI_4	A phase signal input of R video (fourth bit)
B4	191	GAI_9	A phase signal input of G video (ninth bit)
В3	192	GAI_3	A phase signal input of G video (third bit)
C3	193	GAI_2	A phase signal input of G video (second bit)
D3	194	VDDD33	3.3V power supply
E3	195	GAI_1	A phase signal input of G video (first bit)
F3	196	GAI_0	A phase signal input of G video (0 bit)
G3	197	NC	NC pin
НЗ	198	XSUSB_14	X-Drive control signal output
J3	199	VDDIO	3.3V power supply
K3	200	XSUSB_8	X-Drive control signal output

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Ball No.	No.	Pin Name	Function
L3	201	XSUSB_2	X-Drive control signal output
M3	202	XSUSA_14	X-Drive control signal output
N3	203	XSUSA_8	X-Drive control signal output
P3	204	VDDIO	3.3V power supply
R3	205	XSUSA_0	X-Drive control signal output
T3	206	TEST1	Test signal input (Not used)
U3	207	VSSLA	GND
V3	208	VSSLA	GND
W3	209	VSSLA	GND
Y3	210	VSSLA	GND
AA3	211	VSSLA	GND
AB3	212	VSSLA	GND
AC3	213	VSSLA	GND
AD3	214	VSSLA	GND
AD4	215	VSSLA	GND
AD5	216	VSSLA	GND
AD6	217	VSSLA	GND
AD7	218	VSSLA	GND
AD8	219	VSSLA	GND
AD9	220	VSSLA	GND
AD10	221	VSSLA	GND
AD11	222	VSSLA	GND
AD12	223	VSSLA	GND
AD13	224	VSSLA	GND
AD14	225	VSSLA	GND
AD15	226	VSSLA	GND
AD16	227	VSSLA	GND
AD17	228	VSSLA	GND
AD18	229	VSSLA	GND
AD19	230	VSSLA	GND
AD20	231	VSSLA	GND
AD21	232	VSSLA	GND
AD22	233	VSSLA	GND
AD23	234	VSSLA	GND
AD24	235	VSSLA	GND
AC24	236	VSSLA	GND
AB24	237	VSSLA	GND
AA24	238	VSSLA	GND
Y24	239	VSSLA	GND
W24	240	VSSLA	GND
V24	241	VSSLA	GND
U24	242	VSSLA	GND
T24	243	SDITDO	JTAG signal
R24	244	GPIO0_7	Microcomputer macro general-purpose port
P24	245	VDDIO VDDIO	3.3V power supply
N24	246	YSUSA_0	Y-Drive control signal output
M24	247	YSUSA_6	Y-Drive control signal output
L24	248	YSUSA_12	Y-Drive control signal output
K24	249	YSUSB_0	Y-Drive control signal output
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VDDD33

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3.3V power supply

Ball No.	No.	Pin Name	Function
H24	251	YSUSB_8	Y-Drive control signal output
G24	252	NC VOLICE 15	NC pin
F24	253	YSUSB_15	Y-Drive control signal output
E24	254	SCAN_3	Scan control signal output
D24	255	VDDD33	3.3V power supply
C24	256	SCAN_12	Scan control signal output
C23	257	SCAN_13	Scan control signal output
C22	258	SCAN_14	Scan control signal output
C21	259	SCAN_15	Scan control signal output
C20	260	VDDIO	3.3V power supply
C19	261	EXA8	Flash memory address bus
C18	262	EXA5	Flash memory address bus
C17	263	CLKD	CLK input (60MHz)
C16	264	VDDIO	3.3V power supply
C15	265	EXDIO_7	Flash memory data bus
C14	266	EXDIO_13	Flash memory data bus
C13	267	RBI_8	B phase signal input of R video (eighth bit)
C12	268	RBI_3	B phase signal input of R video (third bit)
C11	269	VDDIO	3.3V power supply
C10	270	GBI_6	B phase signal input of G video (sixth bit)
C9	271	GBI_0	B phase signal input of G video (0 bit)
C8	272	BBI_4	B phase signal input of B video (fourth bit)
C7	273	VDDIO	3.3V power supply
C6	274	RAI_9	A phase signal input of R video (ninth bit)
C5	275	RAI_3	A phase signal input of R video (third bit)
C4	276	GAI_8	A phase signal input of G video (eighth bit)
D4	277	GAI_7	A phase signal input of G video (seventh bit)
E4	278	GAI_6	A phase signal input of G video (sixth bit)
F4	279	GAI_5	A phase signal input of G video (fifth bit)
G4	280	VCMP	GND
H4	281	XSUSB_13	X-Drive control signal output
J4	282	XSUSB_11	X-Drive control signal output
K4	283	XSUSB_7	X-Drive control signal output
L4	284	XSUSB_1	X-Drive control signal output
M4	285	XSUSA_13	X-Drive control signal output
N4	286	XSUSA_7	X-Drive control signal output
P4	287	XSUSA_3	X-Drive control signal output
R4	288	ADRS_3	Address control signal output
T4	289	TESTAN	Test signal input (Not used)
U4	290	VDDLA	3.3V power supply
V4	291	VDDLA	3.3V power supply
W4	292	VDDLA	3.3V power supply
Y4	293	VDDLA	3.3V power supply
AA4	294	VDDLA	3.3V power supply
AB4	295	VDDLA	3.3V power supply
AC4	296	VDDLA	3.3V power supply
AC5	297	VDDLA	3.3V power supply
AC6	298	VDDLA	3.3V power supply
AC7	299	VDDLA	3.3V power supply
AC8	300	VDDLA	3.3V power supply

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Ball No.	No.	Pin Name	Function
AC8	300	VDDLA	3.3V power supply
AC9	301	VDDLA	3.3V power supply
AC10	302	VDDLA	3.3V power supply
AC11	303	VDDLA	3.3V power supply
AC12	304	VDDLA	3.3V power supply
AC13	305	VDDLA	3.3V power supply
AC14	306	VDDBG	3.3V power supply
AC15	307	VDDLA	3.3V power supply
AC16	308	VDDLA	3.3V power supply
AC17	309	VDDLA	3.3V power supply
AC18	310	VDDLA	3.3V power supply
AC19	311	VDDLA	3.3V power supply
AC20	312	VDDLA	3.3V power supply
AC21	313	VDDLA	3.3V power supply
AC22	314	VDDLA	3.3V power supply
AC23	315	VDDLA	3.3V power supply
AB23	316	VDDLA	3.3V power supplyv
AA23	317	VDDLA	3.3V power supply
Y23	318	VDDLA	3.3V power supply
W23	319	VDDLA	3.3V power supply
V23	320	VDDLA	3.3V power supply
U23	321	VDDLA	3.3V power supply
T23	322	SDITDI	JTAG signal
R23	323	GPIO0_6	Microcomputer macro general-purpose port
P23	324	GPIO0_2	Microcomputer macro general-purpose port
N23	325	YSUSA_1	Y-Drive control signal output
M23	326	YSUSA_7	Y-Drive control signal output
L23	327	YSUSA_13	Y-Drive control signal output
K23	328	YSUSB_1	Y-Drive control signal output
J23	329	YSUSB_5	Y-Drive control signal output
H23	330	YSUSB_9	Y-Drive control signal output
G23	331	VCMP	GND
F23	332	SCAN_0	Scan control signal output
E23	333	SCAN_4	Scan control signal output
D23	334	SCAN_7	Scan control signal output
D22	335	SCAN_8	Scan control signal output
D21	336	SCAN_9	Scan control signal output
D20	337	EXA11	Flash memory address bus
D19	338	EXA19	Flash memory address bus
D18	339	EXA4	Flash memory address bus
D17	340	EXDIO_0	Flash memory data bus
D16	341	EXDIO_4	Flash memory data bus
D15	342	EXDIO_8	Flash memory data bus
D14	343	EXDIO_14	Flash memory data bus
D13	344	RBI_7	B phase signal input of R video (seventh bit)
D13	345	RBI_2	B phase signal input of R video (second bit)
D12	346	GBI_9	B phase signal input of G video (ninth bit) B phase signal input of G video (ninth bit)
D10	347	GBI_5	B phase signal input of G video (fifth bit)
D10	348	BBI_9	B phase signal input of B video (inth bit) B phase signal input of B video (ninth bit)
D9 D8	349	BBI_3	B phase signal input of B video (tenth bit) B phase signal input of B video (tenth bit)
20	U-10	001_0	D pridoc digital impat of D video (territi bit)

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Ball No.	No.	Pin Name	Function
D7	350	DEI	DE signal input
D6	351	RAI_8	A phase signal input of R video (eighth bit)
D5	352	RAI_2	A phase signal input of R video (second bit)
E5	353	RAI_1	A phase signal input of R video (first bit)
F5	354	RAI_0	A phase signal input of R video (0 bit)
G5	355	BAI_0	A phase signal input of B video (0 bit)
H5	356	VSS15	GND
J5	357	VDDHR	3.3V power supply
K5	358	XSUSB_6	X-Drive control signal output
L5	359	VSSD15	GND
M5	360	XSUSA_12	X-Drive control signal output
N5	361	XSUSA_6	X-Drive control signal output
P5	362	VSS15	GND
R5	363	ADRS_2	Address control signal output
T5	364	TESTBN	Test signal input (Not used)
U5	365	VSSL15	GND
V5	366	VSSLA	GND
W5	367	VSSLA	GND
Y5	368	VSSL15	GND
AA5	369	VDDLP	3.3V power supply
AB5	370	VSSL15	GND
AB6	371	VSSLA	GND
AB7	372	VSSLA	GND
AB8	373	VSSL15	GND
AB9	374	VSSLA	GND
AB10	375	VSSLA	GND
AB11	376	VSSL15	GND
AB12	377	VSSLA	GND
AB13	378	VSSLA	GND
AB14	379	REFRIN	Reference current generation
AB15	380	VSSBG	GND
AB16	381	VSSL15	GND
AB17	382	VSSLA	GND
AB18		VSSLA	GND
AB19	383 384	VSSL15	GND
AB19 AB20	385	VSSLA	GND
AB20 AB21	386	VSSLA	GND
AB21 AB22	386	VSSLA	GND
AB22 AA22	387	VDDLA	
			3.3V power supply GND
Y22	389	VSSL15	
W22	390	VSSLA	GND
V22	391	VSSLA VSSL15	GND
U22	392	VSSL15	GND
T22	393	SDITMS	JTAG signal
R22	394	GPIO0_5	Microcomputer macro general-purpose port
P22	395	VSS15	GND
N22	396	YSUSA_2	Y-Drive control signal output
M22	397	YSUSA_8	Y-Drive control signal output
L22	398	VSSD15	GND
K22	399	YSUSB_2	Y-Drive control signal output

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Ball No.	No.	Pin Name	Function
J22	400	VDDHL	3.3V power supply
H22	401	VSSD15	GND
G22	402	YSUSB_12	Y-Drive control signal output
F22	403	SCAN_1	Scan control signal output
E22	404	SCAN_5	Scan control signal output
E21	405	SCAN_6	Scan control signal output
E20	406	VSS15	GND
E19	407	EXA18	Flash memory address bus
E18	408	EXA3	Flash memory address bus
E17	409	EXDIO_1	Flash memory data bus
E16	410	VSS15	GND
E15	411	EXDIO_9	Flash memory data bus
E14	412	EXDIO_15	Flash memory data bus
E13	413	RBI_6	B phase signal input of R video (sixth bit)
E12	414	CLKS	CLK input (85MHz)
E11	415	VSS15	GND
E10	416	GBI_4	B phase signal input of G video (fourth bit)
E8	418	BBI_2	B phase signal input of B video (second bit)
E9	417	BBI_8	B phase signal input of B video (second bit) B phase signal input of B video (eighth bit)
E7	417	VSS15	GND
E6	420	RAI_7	A phase signal input of R video (seventh bit)
F6			
	421	RAI_6	A phase signal input of R video (sixth bit)
G6	422	APL_DT	APL value trigger input
H6	423	VDD15	1.5V power supply
J6	424	VBB	VBB power monitor in the DRAM
K6	425	XSUSB_5	X-Drive control signal output
L6	426	VDDD15	1.5V power supply
M6	427	XSUSA_11	X-Drive control signal output
N6	428	XSUSA_5	X-Drive control signal output
P6	429	VDD15	1.5V power supply
R6	430	ADRS_1	Address control signal output
T6	431	TESTCN	Test signal input (Not used)
U6	432	VDDL15	1.5V power supply
V6	433	VDDLA	3.3V power supply
W6	434	VDDLA	3.3V power supply
Y6	435	VDDL15	1.5V power supply
AA6	436	VDDLA	3.3V power supply
AA7	437	VDDLA	3.3V power supply
AA8	438	VDDL15	1.5V power supply
AA9	439	VDDLA	3.3V power supply
AA10	440	VDDLA	3.3V power supply
AA11	441	VDDL15	1.5V power supply
AA12	442	VDDLA	3.3V power supply
AA13	443	VDDLA	3.3V power supply
AA14	444	VDDLA	3.3V power supply
AA15	445	VDDLA	3.3V power supply
AA16	446	VDDL15	1.5V power supply
AA17	447	VDDLA	3.3V power supply
AA18	448	VDDLA	3.3V power supply
AA19	449	VDDL15	1.5V power supply

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D-II N-	NI -	Dia Nama	Function
Ball No.	No.	Pin Name	Function
AA20	450	VDDLA	3.3V power supply
AA21	451	VDDLA	3.3V power supply
Y21	452	VDDL15	1.5V power supply
W21	453	VDDLA	3.3V power supply
V21	454	VDDLA	3.3V power supply
U21	455	VDDL15	1.5V power supply
T21	456	SDITCK	JTAG signal
R21	457	GPIO0_4	Microcomputer macro general-purpose port
P21	458	VDD15	1.5V power supply
N21	459	YSUSA_3	Y-Drive control signal output
M21	460	YSUSA_9	Y-Drive control signal output
L21	461	VDDD15	1.5V power supply
K21	462	YSUSB_3	Y-Drive control signal output
J21	463	VBB	VBB power monitor in the DRAM
H21	464	VDDD15	1.5V power supply
G21	465	YSUSB_13	Y-Drive control signal output
F21	466	SCAN_2	Scan control signal output
F20	467	VDD15	1.5V power supply
F19	468	EXA17	Flash memory address bus
F18	469	EXA2	Flash memory address bus
F17	470	EXDIO_2	Flash memory data bus
F16	471	VDD15	1.5V power supply
F15	472	EXDIO_10	Flash memory data bus
F14	473	TRNSEND_I	NC pin
F13	474	VDD15	1.5V power supply
F12	475	RBI_1	B phase signal input of R video (first bit)
F11	476	VDD15	1.5V power supply
F10	477	GBI_3	B phase signal input of G video (third bit)
F9	478	BBI_7	B phase signal input of B video (seventh bit)
F8	479	BBI_1	B phase signal input of B video (first bit)
F7	480	VDD15	1.5V power supply

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■ AN5870SB (RGB ASSY : IC6402)

(AV I/O ASSY: IC7610, IC7613) (VIDEO SLOT 2 ASSY: IC7902)

• Wide Band Analog SW

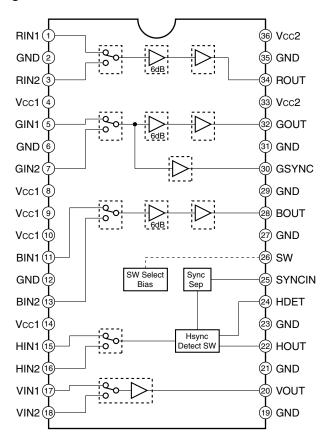
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Pin Arrangement / Block Diagram



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Pin Function

No.	Name	Function	No.	Name	Function
1	RIN1	R input 1	19	GND	Ground (HV, HSEP, SW)
2	GND	Ground (R)	20	VOUT	V output
3	RIN2	R input 2	21	GND	Ground
4	Vcc1	5V (GSYNC)	22	HOUT	H output
5	GIN1	G input 1	23	GND	Ground
6	GND	Ground (G)	24	HDET	H detect
7	GIN2	G input 2	25	SYNCIN	Sync input
8	Vcc1	5V (R)	26	SW	SW
9	Vcc1	5V (G)	27	GND	Ground
10	Vcc1	5V (B)	28	BOUT	B output
11	BIN1	B input 1	29	GND	Ground (RGB)
12	GND	Ground (B)	30	GSYNC	GSync output
13	BIN2	B input 2	31	GND	Ground (RGB)
14	Vcc1	5V (HV, HSEP, SW)	32	GOUT	G output
15	HIN1	H input 1	33	Vcc2	12V (RGB)
16	HIN2	H input 2	34	ROUT	R output
17	VIN1	V input 1	35	GND	Ground
18	VIN2	V input 2	36	Vcc2	12V (RGB)

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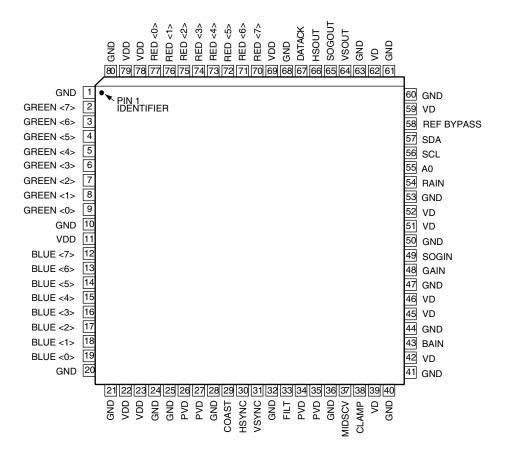
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■ AD9883AKST-110 (RGB ASSY : IC6602)

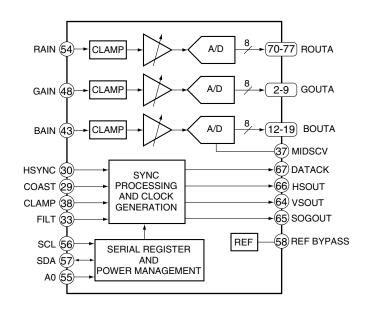
• 110 MSPS Analog Interface

• Pin Arrangement (Top View)

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Block Diagram



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• Pin Function

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No.	Pin Name	I/O	Pin Function						
1	GND	_	Ground						
2	GREEN 7	0	Converter Green output (MSB)						
3	GREEN 6	0	Converter Green output						
4	GREEN 5	0	Converter Green output						
5	GREEN 4	0	Converter Green output						
6	GREEN 3	0	Converter Green output						
7	GREEN 2	0	Converter Green output						
8	GREEN 1	0	Converter Green output						
9	GREEN 0	0	Converter Green output						
10	GND	_	Ground						
11	VDD	_	Power supply (3.3V)						
12	BLUE 7	0	Converter Blue output (MSB)						
13	BLUE 6	0	Converter Blue output						
14	BLUE 5	0	Converter Blue output						
15	BLUE 4	0	Converter Blue output						
16	BLUE 3	0	Converter Blue output						
17	BLUE 2	0	Converter Blue output						
18	BLUE 1	0	Converter Blue output						
19	BLUE 0	0	Converter Blue output						
20	GND	_	Ground Ground						
21	GND	_	Ground						
22	VDD	_	Power supply (3.3V)						
23	VDD	_	Power supply (3.3V)						
24	GND	_	Ground						
25	GND	_	Ground						
26	PVD	_	PLL power supply (3.3V)						
27	PVD	_	PLL power supply (3.3V)						
28	GND	_	Ground						
29	COAST	ı	PLL COAST signal input						
30	HSYNC	ı	Horizontal sync. input						
31	VSYNC	ı	Vertical sync. input						
32	GND	_	Ground						
33	FILT	-	External filter connection pin for built-in PLL						
34	PVD	_	PLL power supply (3.3V)						
35	PVD	_	PLL power supply (3.3V)						
36	GND	_	Ground						
37	MIDSCV	-	Internal middle scale voltage bias						
38	CLAMP	ı	Clamp input (External clamp signal)						
39	VD	_	Analog power supply (3.3V)						
40	GND	_	Ground						
41	GND	_	Ground						
42	VD	-	Analog power supply (3.3V)						
43	BAIN	ı	Analog input for converter B						
44	GND	-	Ground						
45	VD	_	Analog power supply (3.3V)						

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No.	Pin Name	I/O	Pin Function						
46	VD	_	Analog power supply (3.3V)						
47	GND	_	Ground						
48	GAIN	1	Analog input for converter G						
49	SOGIN	1	nput for Sync-on Green						
50	GND	-	Ground						
51	VD	-	Analog power supply (3.3V)						
52	VD	-	Analog power supply (3.3V)						
53	GND	_	Ground						
54	RAIN	1	Analog input for converter R						
55	A0	1	Address input 1 of serial port						
56	SCL	1	Data clock (max. 100kHz) of serial port						
57	SDA	I/O	Data input/output of serial port						
58	REF BYPASS	-	Internal reference bypass						
59	VD	_	Analog power supply (3.3V)						
60	GND	_	Ground						
61	GND	_	Ground						
62	VD	_	Analog power supply (3.3V)						
63	GND	_	Ground						
64	VSOUT	0	VSYNC output (phasing with DATACLK)						
65	SOGOUT	0	Sync-on-Green slicer output						
66	HSOUT	0	HSYNC output (phasing with DATACLK)						
67	DATACLK	0	Data input/output clock						
68	GND	_	Ground						
69	VDD	-	Power supply (3.3V)						
70	RED 7	0	Converter Red output (MSB)						
71	RED 6	0	Converter Red output						
72	RED 5	0	Converter Red output						
73	RED 4	0	Converter Red output						
74	RED 3	0	Converter Red output						
75	RED 2	0	Converter Red output						
76	RED 1	0	Converter Red output						
77	RED 0	0	Converter Red output						
78	VDD	_	Power supply (3.3V)						
79	VDD	_	Power supply (3.3V)						
80	GND	_	Ground						

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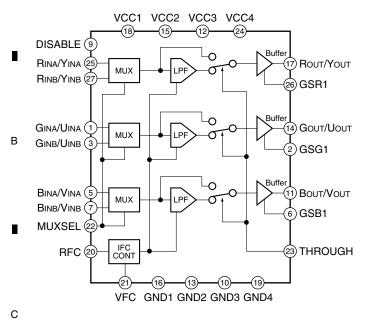
PDP-5004

■ SM5301BS (RGB ASSY : IC6601)

• Video Filter

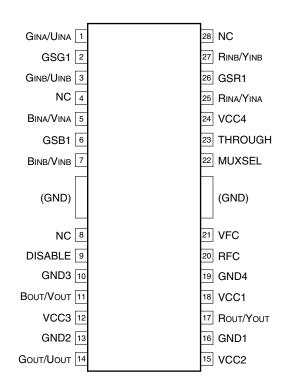
Block Diagram

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• Pin Arrangement (Top View)

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• Pin Function

No.	Pin Name	I/O	Pin Function
1	GINA/UINA	1	Analog GINA or UINA signal input. Sync signal is input on SYNCIN pin.
2	GSG1	I	GOUT/UOUT output buffer gain set input
3	GINB/UINB	I	Analog GINB or UINB signal input. Sync signal is input on SYNCIN pin.
4	(NC)	-	No connection
5	BINA/VINA	I	Analog BINA or VINA signal input. Sync signal is input on SYNCIN pin.
6	GSB1	I	BOUT/VOUT output buffer gain set input
7	BINB/VINB	ı	Analog BINB or VINB signal input. Sync signal is input on SYNCIN pin.
8	(NC)	-	No connection
9	DISABLE	I	Power save function. Built-in pull-down resistor. L: Enable H: Disable (Output pins: ROUT/YOUT, GOUT/UOUT, and BOUT/VOUT are high impedance.)
10	GND3	_	Analog ground
11	Воит/Vоит	0	B/V signal output
12	VCC3	_	Analog 5V supply
13	GND2	_	Analog ground
14	Gоит/ U оит	0	G/U signal output
15	VCC2	_	Analog 5V supply
16	GND1	_	Analog ground
17	Rоит/Yоит	0	R/Y signal output
18	VCC1	_	Analog 5V supply
19	GND4	-	Analog ground
20	RFC	-	LPF (lowpass filter) cutoff frequency setting resistor connection
21	VFC	I	LPF (lowpass filter) cutoff frequency setting voltage input
22	MUXSEL	I	Input select signal. Built-in pull-down resistor. L: XINA pin select H: XINB pin select
23	THROUGH	1	Filter through Built-in pull-down resistor. L: Filter function H: Filter through (buffer only)
24	VCC4	-	Analog 5V supply
25	RINA/YINA	I	Analog RINA or YINA signal input. Sync signal is input on SYNCIN pin.
26	GSR1	ı	ROUT/YOUT output buffer gain set input
27	RINB/YINB	1	Analog RINB or YINB signal input. Sync signal is input on SYNCIN pin.
28	(NC)	-	No connection

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■ BA7078AF (RGB ASSY : IC6604)

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• Synchonous seperation IC

Block Diagram

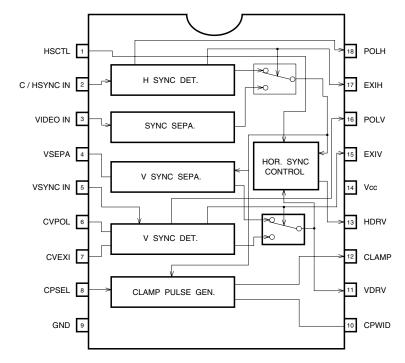
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• Pin Function

No.	Pin Name	Pin Function						
1	HSCTL	HDRV output Used to select whether to output the VDRV section of the HDRV output signal. High: VDRV section of HDRV is output Low: VDRV section of HDRV is not output						
2	C/HSYNC IN	Composite sync / H SYNC input Input either the composite synchronization signal or the horizontal synchronization signal. Input is clamped, and is initiated by capacitor coupling.						
3	VIDEO IN	YNC ON VIDEO input nputs the SYNC ON VIDEO signal(green). nput is sink chip clamped. nput is initiated by capacitor coupling.						
4	VSEPA	f-V conversion Converts the horizontal synchronization signal frequency into a voltage. The voltage generated is proportional to the frequency of the horizontal synchronization signal. Attach a 0.56 μF capacitor between the ground pins.						
5	VSYNC IN	V SYNC input Inputs the vertical synchronization signal.						
6	CVPOL	Vertical polarity integration Integrates the vertical synchronization signal polarity detection circuit. Attach a 1.5 μ F capacitor between this pin and the ground.						
7	CVEXI	Vertical existence integration Integrates the vertical synchronization signal existence detection circuit. Attach a 1 µF capacitor between this pin and the ground.						
8	CPSEL	Setting the clamp position Used to set the clamp pulse generation position to either the front or back edge of HSYNC High: The front edge is the generation position Open: Composite / H SYNC IN: The front edge is the generation position VIDEO IN: The back edge is the generation position Low: The back edge is the generation position						
9	GND	Ground						
10	CPWID	Setting the clamp pulse width Sets the clamp pulse width according to the attached time constant. Attach a resistor between this pin and VCC and, a capacitor between this pin and GND. When $R = 3.9 k\Omega$ and $C = 100 pF$, pulse width is approximately 400 ns. Set the resistor to register an abnormality at $1 k\Omega$.						
11	VDRV	VDRV output Outputs the vertical synchronization signal. The output signal has positive polarity.						
12	CLAMP	Clamp output Outputs the clamp pulse generated from the vertical synchronization signal. The output signal has a positive polarity.						
13	HDRV	HDRV output Outputs the clamp pulse generated from the horizontal synchronization signal. The output signal has positive polarity.						
14	Vcc	Power supply						
15	EXIV	Vertical existence output Indecates whether the vertical synchronization signal exists.						
16	POLV	Vertical polarity output Indicates the polarity of the vertical synchronization signal.						
17	EXIH	Horizontal existence output Indicates whether the horizontal synchronization signal exists.						
18	POLH	Horizontal polarity output Indicates the polarity of the horizontal synchronization signal.						

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■ IC42S32200-7TG-K (RGB ASSY : IC7001, IC7002)

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• Synchronous DRAM

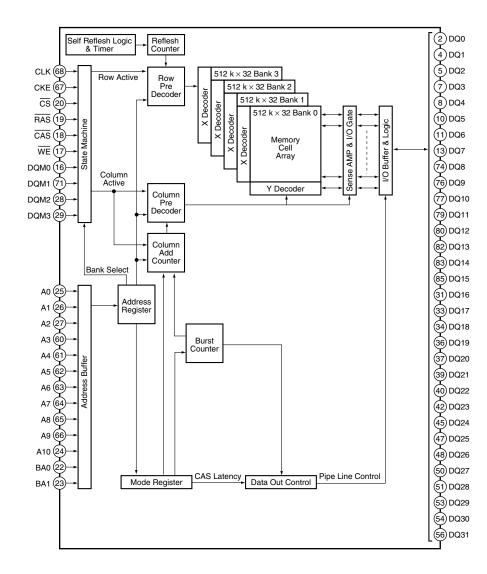
Block Diagram

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• Pin Function

No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	44	VSS	_	Ground
2	DQ0	I/O	Data input/output	45	DQ24	I/O	Data input/output
3	VDDQ	_	Power supply for output buffer	46	VSSQ	_	Ground for output buffer
4	DQ1	I/O	Data input/output		DQ25	I/O	Data input/output
5	DQ2	I/O	Data input/output	48	DQ26	I/O	Data input/output
6	VSSQ	_	Ground for output buffer	49	VDDQ	_	Power supply for output buffer
7	DQ3	I/O	Data input/output	50	DQ27	I/O	Data input/output
8	DQ4	I/O	Data input/output	51	DQ28	I/O	Data input/output
9	VDDQ	_	Power supply for output buffer	52	VSSQ	_	Ground for output buffer
10	DQ5	I/O	Data input/output	53	DQ29	I/O	Data input/output
11	DQ6	I/O	Data input/output	54	DQ30	I/O	Data input/output
12	VSSQ	_	Ground for output buffer	55	VDDQ	_	Power supply for output buffer
13	DQ7	I/O	Data input/output	56	DQ31	I/O	Data input/output
14	NC	-	No connection	57	NC	_	No connection
15	VDD	_	Power supply	58	VSS	_	Ground
16	DQM0	ı	Data input/output mask	59	DQM3	ı	Data input/output mask
17	/WE	ı	Write enable	60	A3	ı	Address input
18	/CAS	ı	Column address strobe		A4	ı	Address input
19	/RAS	ı	Row address strobe		A5	ı	Address input
20	/CS	ı	Chip select input	63	A6	ı	Address input
21	NC	_	No connection	64	A7	ı	Address input
22	BA0	ı	Bank address input	65	A8	ı	Address input
23	BA1	ı	Bank address input	66	A9	ı	Address input
24	A10/AP	1	Address input	67	CKE	ı	Clock enable
25	A0	-1	Address input	68	CLK	ı	System clock input
26	A1	I	Address input	69	NC	_	No connection
27	A2	ı	Address input	70	NC	_	No connection
28	DQM2	I	Data input/output mask	71	DQM1	I	Data input/output mask
29	VDD	-	Power supply	72	VSS	_	Ground
30	NC	-	No connection	73	NC	ı	No connection
31	DQ16	I/O	Data input/output	74	DQ8	1/0	Data input/output
32	VSSQ	-	Ground for output buffer	75	VDDQ	ı	Power supply for output buffer
33	DQ17	I/O	Data input/output	76	DQ9	1/0	Data input/output
34	DQ18	I/O	Data input/output	77	DQ10	1/0	Data input/output
35	VDDQ	-	Power supply for output buffer		VSSQ	_	Ground for output buffer
36	DQ19	I/O	Data input/output		DQ11	I/O	Data input/output
37	DQ20	I/O	Data input/output		DQ12	I/O	Data input/output
38	VSSQ	-	Ground for output buffer		VDDQ	_	Power supply for output buffer
39	DQ21	I/O	Data input/output		DQ13	I/O	Data input/output
40	DQ22	I/O	Data input/output		DQ14	I/O	Data input/output
41	VDDQ	_	Power supply for output buffer	84	VSSQ	_	Ground for output buffer
42	DQ23	I/O	Data input/output	85	DQ15	I/O	Data input/output
43	VDD	_	Power supply	86	VSS		Ground

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■ MBM29PL3200BE70PFV (RGB ASSY : IC7152)

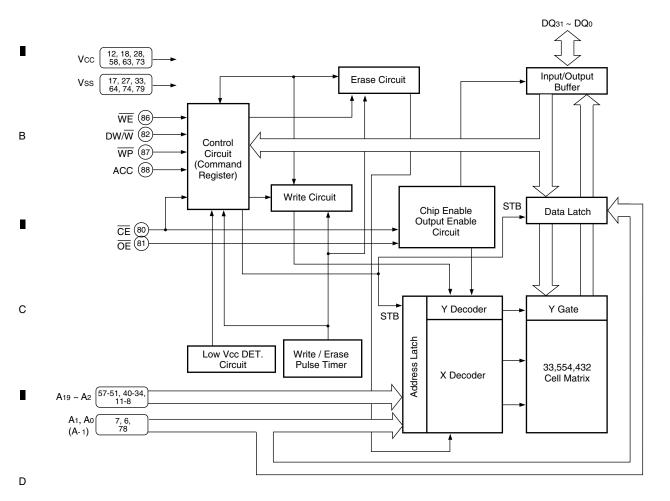
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• Page Mode Flash Memory

Block Diagram

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Pin Function

No.	Pin Name	I/O	Pin Function		
57-51, 40-34, 11-6, 78	A19 - A0, A-1	I	Address input		
78-75, 72-65, 62-59, 32-19, 26-19, 16-13	DQ31 - DQ0	I/O	Data input/output		
80	CE	ı	Chip enable		
81	OE	ı	Output enable		
86	WE	ı	Write enable		
82	DW/W	_	16 bit, 32 bit mode switch		
87	WP	ı	Write protect		
88	ACC	ı	Acceleration		
17, 27, 33, 64, 74, 79	Vss	-	Ground		
12, 18, 28, 58, 63, 73	Vcc	ı	Power supply		
1-5, 41-50, 83-85, 89, 90	N.C.	ı	No connection		

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• AD + PLL IC

Pin Arrangement (Top View)

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DSYNC/DIVOUT DGNDPLLTT AGNDADREF DGNDADTTL DVccPLLTTL DGNDADTTI DVccADTTL) DGNDAD3 DVccADTTL EVEN/ODD **AVccAD3 DGNDAD3** EVENODE STORY TO A DESCRIPTION OF STORY **DVccAD3** DVccAD GB6 GB7 GA7 GA6 GA5 XCLKIN (109) (72) GA4 (71) GA3 CLKIN (110) (70) GA2 SYNCIN1 (111) (69) GA1 SYNCIN2 (112) (68) GA0 **CLPIN** (113) (67) DGNDADTTL DVccPLL (114) (66) DGNDAD3 DGNDPLL (115) (65) DVccADTTL AVccVCO (116) 64) BB7 AGNDVCO (117) 63) BB6 62) BB5 RC2 (119) (61) BB4 AVCCIR (120 (60) BB3 IREF (121) (59) GNDAD3 **DPGND** (122) (54) DVccADTTL AGNDIR (123 53 BA7 52 BA6 B/CbCLP (51) BA5 (50) DGNDAD3 (49) BA4 (48) BA3 (47) BA2 R/CrCLP (130 **DPGND (131)** SOGIN1 (132) B/CbIN1 (133) AVccAMPB (134 (46) BA1 SOGIN2 45) BA0 B/CbIN2 (136 (44) DGNDADTTL AGNDAMPB (137 DPGND (138 43) DGNDAD3 (42) DVCCADTTL (41) RB7 (40) RB6 (39) RB5 (38) RB4 (37) RB3 R/CrIN1 (139 AVccAMPR (140 R/CrIN2 (141) AGNDAMPR (142) **G/YOUT** (143) DACTESTOUT (144) DGNDADTTL (B)
RA0 (L) 26 27 \$4 84 26 27 DGNDAD3 (S) R/CrOUT(∞) SEROUT (R) AVccAD3 (9) DVccAD3 (8) AGNDAD3 (8 DGNDAD3 (₩ DVccREG (SDA (RA0 RA5 (XSENABLE (DPGND(AVccADREF(VRT (RA7) NC DGNDREG(3WIRE/I2C XPOWER SAVE DVccADTTL (RA3

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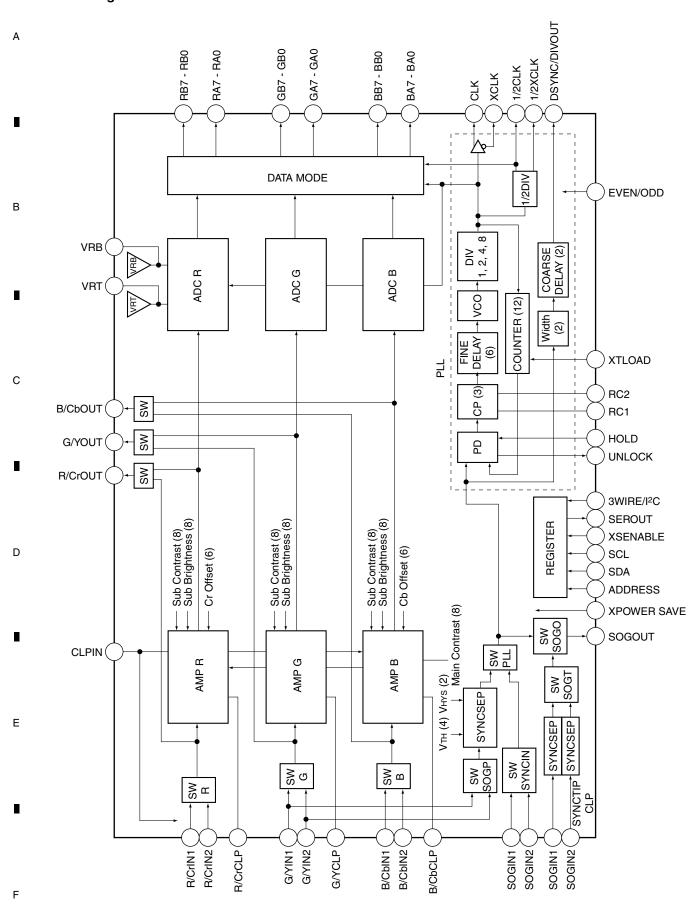
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Block Diagram



PDP-5004

• Pin Function

No.	Symbol	I/O	Pin Function
1	B/CbOUT	0	Amplifier output signal monitor
2	ADDRESS	I	I ² C slave address setting
3	R/CrOUT	0	Amplifier output signal monitor
4	NC	_	Not used
5	NC	-	Not used
6	XPOWER SAVE	I	Power save setting
7	DGNDREG	_	Register GND
8	DVccREG	_	Register power supply
9	SDA	I	Control register data input
10	SCL	- 1	Control register CLK input
11	XSENABLE	- 1	Enable signal input for 3-wire control register
12	SEROUT	0	3-wire control register data readout
13	3WIRE/I ² C	I	Selection of input between I ² C bus and 3-wire bus
15	AVccADREF	-	Reference power supply for A/D converter
16, 94	AVccAD3	_	Analog power supply for A/D converter
17	VRT	0	Top reference voltage output for A/D converter
18, 92	DVccAD3	-	Digital power supply for A/D converter
19, 32, 42, 54, 65, 76, 90	DVccADTTL	-	TTL output power supply for A/D converter
20, 33, 44, 55, 67, 77, 89	DGNDADTTL	-	TTL output GND for A/D converter
21, 22, 24-28, 31	RA0 - RA7	0	Data output for R-channel port A side
23, 30, 43, 50, 59, 66, 79, 86	DGNDAD3	-	Digital GND for A/D converter
29, 80	AGNDAD3	-	Analog GND for A/D converter
34-41	RB0 - RB7	0	Data output for R-channel port B side
45-49, 51-53	BA0 - BA7	0	Data output for B-channel port A side
56-58, 60-64	BB0 - BB7	0	Data output for B-channel port B side
68-75	GA0 - GA7	0	Data output for G-channel port A side
78, 81-85, 87, 88	GB0 - GB7	0	Data output for G-channel port B side
91	DVccAD	-	Digital power supply for A/D converter
93	VRB	0	Bottom reference voltage output for A/D converter
95	AGNDADREF	_	Reference voltage GND for A/D converter
96	DVccPLLTTL	_	TTL output power supply for PLL
97	DGNDPLLTTL	_	TTL output GND for PLL
98	XCLK	0	Inverted CLK output
99	CLK	0	CLK output
100	1/2XCLK	0	Inverted 1/2CLK output
101	1/2CLK	0	1/2CLK output
103	DSYNC/DIVOUT	0	DSYNC or DIVOUT signal output
104	UNLOCK	0	Unlock signal output
105	SOGOUT	0	Output for SYNC ON GREEN
106	HOLD	I	Input for phase comparison disable signal

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No.	Symbol	I/O	Pin Function
107	XTLOAD	I	Programmable counter reset setting
108	EVEN/ODD	I	Inverted pulse input of ADC sampling CLK
109	XCLKIN	I	Inverted CLK input for testing
110	CLKIN	I	CLK input for testing
111	SYNCIN1	I	Sync input 1
112	SYNCIN2	I	Sync input 2
113	CLPIN	I	Clamp pulse input
114	DVccPLL	-	Digital power supply for PLL
115	DGNDPLL	_	Digital GND for PLL
116	AVccVCO	-	Analog power supply for PLL VCO
117	AGNDVCO	_	Analog GND for PLL VCO
118	RC1	-	External pin for PLL loop filter
119	RC2	-	External pin for PLL loop filter
120	AVccIR	-	Analog power supply for IREF
121	IREF	ı	Current setup
123	AGNDIR	-	Analog GND for TREF
124	G/YIN1	ı	G/Y signal input 1
125	AVccAMPG	-	Power supply for G/Y amplifier block
126	G/YIN2	ı	G/Y signal input 2
127	AGNDAMPG	-	GND for G/Y amplifier block
128	G/YCLP	-	Clamp capcitor for brightness
129	B/CbCLP	-	Clamp capcitor for brightness
130	R/CrCLP	-	Clamp capcitor for brightness
132	SOGIN1	ı	SYNC ON GREEN signal input 1
133	B/CbIN1	ı	B/Cb signal input 1
134	AVccAMPB	-	Power supply for B/Cb amplifier block
135	SOGIN2	I	SYNC ON GREEN signal input 2
136	B/CbIN2	ı	B/Cb signal input 2
137	AGNDAMPB	_	GND for B/Cb amplifier block
139	R/CrIN1	I	R/Cr signal input 1
140	AVccAMPR	_	Power supply for R/Cr amplifier block
141	R/CrIN2	I	R/Cr signal input 2
142	AGNDAMPR	_	GND for R/Cr amplifier block
143	G/YOUT	0	Monitor pin for amplifier output signal
144	DAC TEST OUT	0	DAC testing output for amplifier block control register
14, 102, 122, 131, 138	DPGND	-	GND

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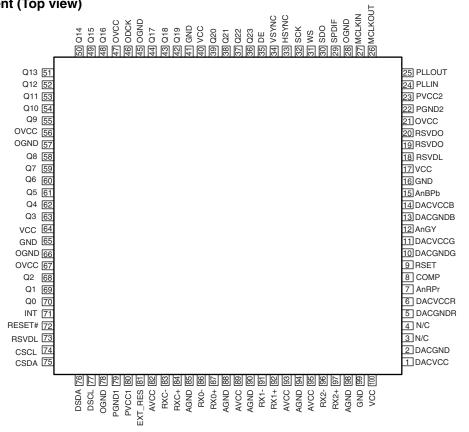
■ SII9993CTG100 (AV I/O ASSY : IC6810)

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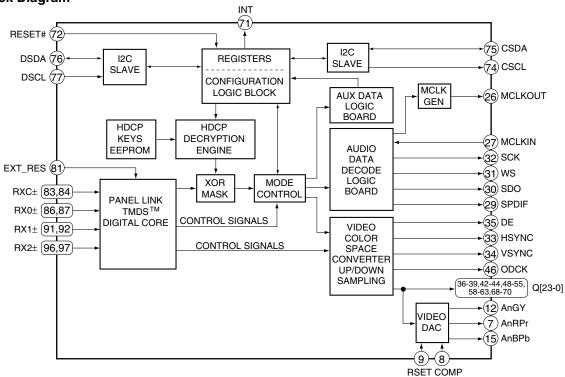
• HDCP Panel Link Receiver

Pin Arrangement (Top view)

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Block Diagram



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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	1/0	Pin Function
1	DACVCC	_	DAC power supply (3.3V)	51	Q13	0	24-bit output pixel data bus
2	DACGND	-	DAC ground	52	Q12	0	24-bit output pixel data bus
3	N/C	-	No connection	53	Q11	0	24-bit output pixel data bus
4	N/C	-	No connection	54	Q10	0	24-bit output pixel data bus
5	DACGNDR	-	DAC Red ground	55	Q9	0	24-bit output pixel data bus
6	DACVCCR	-	DAC Red power supply (3.3V)	56	OVCC	-	Output bus power supply (3.3V)
7	AnRPr	0	Red, Pr output of analog video	57	OGND	_	Output bus ground
8	COMP	ı	For reference amp. correction of DAC inside	58	Q8	0	24-bit output pixel data bus
9	RSET	_	Full scale adjustment resistor input	59	Q7	0	24-bit output pixel data bus
10	DACGNDG	-	DAC Green ground	60	Q6	0	24-bit output pixel data bus
11	DACVCCG	-	DAC Green power supply (3.3V)	61	Q5	0	24-bit output pixel data bus
12	AnGY	0	Green, Y output of analog video	62	Q4	0	24-bit output pixel data bus
13	DACGNDB	_	DAC Blue ground	63	Q3	0	24-bit output pixel data bus
14	DACVCCB	_	DAC Blue power supply (3.3V)	64	VCC	_	Digital power supply (3.3V)
15	AnBPb	0	Blue, Pb output of analog video	65	GND	_	Digital ground
16	GND	_	Digital ground	66	OGND	_	Output bus ground
17	VCC	_	Digital power supply (3.3V)	67	OVCC	_	Output bus power supply (3.3V)
18	RSVDL	- 1	Reserved Fixed to low.	68	Q2	0	24-bit output pixel data bus
19	RSVDD	0	Reserved No connection	69	Q1	0	24-bit output pixel data bus
20	RSVDD	0	Reserved No connection	70	Q0	0	24-bit output pixel data bus
21	OVCC	_	Output bus power supply (3.3V)	71	INT	0	Interruption output
22	PGND2	_	Audio PLL ground	72	RESET#	ı	Reset Activ low.
23	PVCC2	_	Audio PLL power supply (3.3V)	73	RSVDL	ı	Reserved Fixed to low.
24	PLLIN	I/O	PLL filter input	74	CSCL	I	Configuration I2C clock
25	PLLOUT	I/O	PLL filter output	75	CSDA	I/O	Configuration I2C data
26	MCCLKOUT	0	Audio master clock output	76	DSDA	I/O	DDC I2C data
27	MCCLKIN	I	Reference audio master clock input	77	DSCL	I	DDC I2C clock
28	OGND	_	Output bus ground	78	OGND	_	Output bus ground
29	SPDIF	0	SPDIF audio output	79	PGND1	_	PLL ground
30	SDO	0	I2S serial data output	80	PVCC1	_	PLL power supply (3.3V)
31	WS	0	I2S word selecting output	81	EXT_RES	ı	Input impedance adjustment
32	SCK	0	I2S serial clock output	82	AVCC	_	Analog power supply (3.3V)
33	HSYNC	0	Horizontal sync. control signal output	83	RXC-	ı	TMDS data input
34	VSYNC	0	Vertical sync. control signal output	84	RXC+	ı	TMDS data input
35	DE	0	Data enable	85	AGND	_	Analog ground
36	Q23	0	24-bit output pixel data bus	86	RX0-	ı	TMDS data input
37	Q22	0	24-bit output pixel data bus	87	RX0+	ı	TMDS data input
38	Q21	0	24-bit output pixel data bus	88	AGND	-	Analog ground
39	Q20	0	24-bit output pixel data bus	89	AVCC	-	Analog power supply (3.3V)
40	VCC	_	Digital power supply (3.3V)	90	AGND	-	Analog ground
41	GND	_	Digital ground	91	RX1-	ı	TMDS data input
42	Q19	0	24-bit output pixel data bus	92	RX1+	I	TMDS data input
43	Q18	0	24-bit output pixel data bus	93	AVCC	_	Analog power supply (3.3V)
44	Q17	0	24-bit output pixel data bus	94	AGND	_	Analog ground
45	OGND	_	Output bus ground	95	AVCC	_	Analog power supply (3.3V)
46	ODCK	0	Data clock output	96	RX2-	ı	TMDS data input
47	ovcc	_	Output bus power supply (3.3V)	97	RX2+	ı	TMDS data input
48	Q16	0	24-bit output pixel data bus	98	AGND	_	Analog ground
49	Q15	0	24-bit output pixel data bus	99	GND	_	Digital ground
50	Q14	0	24-bit output pixel data bus	100	VCC		Digital power supply (3.3V)

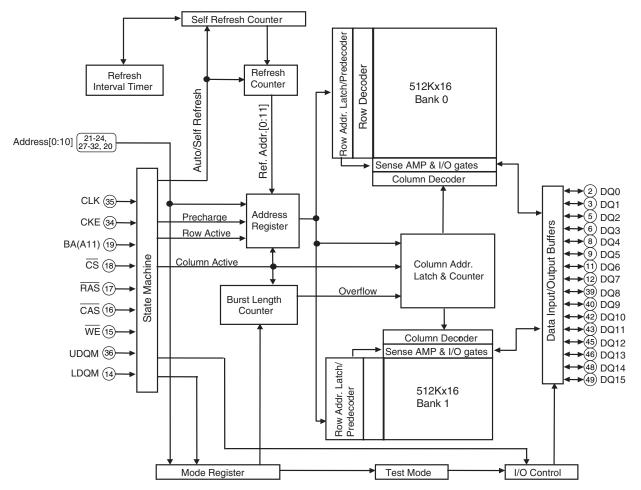
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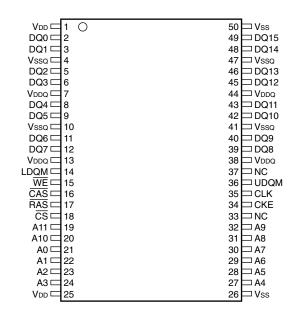
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Block Diagram



• Pin Arrangement

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PDP-5004

• Pin Function

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No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply
2	DQ0	I/O	Data input/output
3	DQ1	I/O	Data input/output
4	VSSQ	_	Ground for DQ
5	DQ2	I/O	Data input/output
6	DQ3	I/O	Data input/output
7	VDDQ	_	Power supply for DQ
8	DQ4	I/O	Data input/output
9	DQ5	I/O	Data input/output
10	VSSQ	_	Ground for DQ
11	DQ6	I/O	Data input/output
12	DQ7	I/O	Data input/output
13	VDDQ	_	Power supply for DQ
14	LDQM	I	Data input/output mask
15	/WE	I	Write enable
16	/CAS	I	Column address strobe
17	/RAS	I	Row address strobe
18	/CS	I	Chip select input
19	A11	I	Address input
20	A10	I	Address input
21	A0	I	Address input
22	A1	I	Address input
23	A2	I	Address input
24	A3	I	Address input
25	VDD	_	Power supply
26	VSS	_	Ground
27	A4	I	Address input
28	A5	I	Address input
29	A6	I	Address input
30	A7	I	Address input
31	A8	I	Address input
32	A9	I	Address input
33	NC	_	No connection
34	CKE	I	Clock enable
35	CLK	I	System clock input
36	UDQM	I	Data input/output mask
37	NC	_	No connection
38	VDDQ	_	Power supply for DQ
39	DQ8	I/O	Data input/output
40	DQ9	I/O	Data input/output
41	VSSQ	_	Ground for DQ
42	DQ10	I/O	Data input/output
43	DQ11	I/O	Data input/output
44	VDDQ	_	Power supply for DQ
45	DQ12	I/O	Data input/output
46	DQ13	I/O	Data input/output
47	VSSQ	_	Ground for DQ
48	DQ14	I/O	Data input/output
49	DQ15	I/O	Data input/output
50	VSS	_	Ground

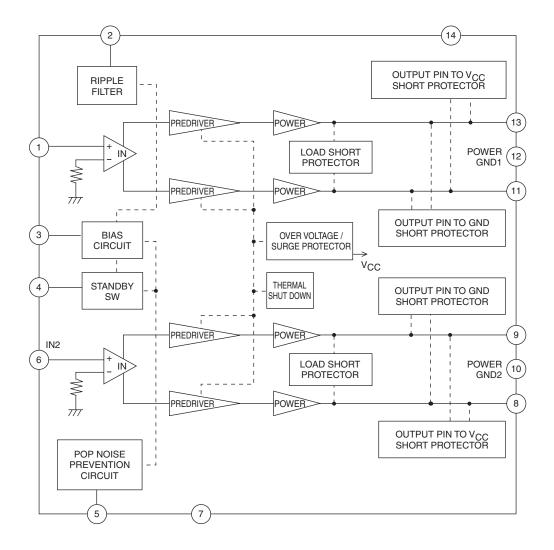
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Block Diagram



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PDP-5004

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8. PANEL FACILITIES

■ MAIN UNIT

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PDP-4304 (4) Main unit PDP-5004 Operation panel on the main unit ON STANDBY STANDBY/ON INPUT SCREEN SIZE ∨VOLUME∧ AUTO SET UP (2) (3) (5) **(6)** (7)(8) (9)

Main unit

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1 Remot e control sensor

Point the remote control toward the remote sensor to operate the unit.

2 ON indicator

Lights green when the plasma display is operating. When flashing, the indicator is used to indicate error messages.

(3) STANDBY indicator

Lights red when the unit is in standby mode. When flashing, the indicator is used to indicate error messages.

■ ④ Handles

The plasma displays PDP-5004 and PDP-4304 utilize differing methods of handle attachment, but the handles themselves are used in the same way.

Operation panel on the main unit

5 STANDBY/ON button

Press to put the display in operation or standby mode.

6 INPUT button

3

Press to select the input.

7 SCREEN SIZE button

Press to select the screen size.

8 VOLUME (+/-) but tons

When not indicated for use in onscreen menu items, these buttons are used for adjusting the sound volume.

(9) AUTO SET UP button

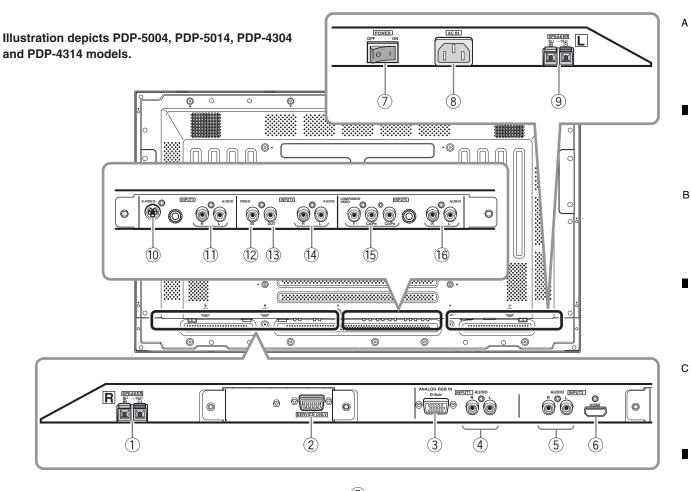
When using computer signal input, automatically sets the [POSITION], [CLOCK] and [PHASE] to optimum values.

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PDP-5004

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Plasma Display Section

The plasma display is provided with 5 video input connectors, 1 video output connector, audio input jacks and speaker terminals.

For instructions regarding connections, consult the pages noted in parentheses by each item.

(1) SPEAKER (R) terminal

For connection of an external right speaker. Connect a speaker whose impedance is $8-16\Omega$.

(2) RS-232 Terminal (used in the factory setup)

3 ANALOG RGB IN (INPUT1) (mini D-sub 15 pin)

For connecting components equipped with RGB outputs jacks, such as a personal computer or external RGB decoder; or components equipped with component output jacks, such as a DVD recorder Make sure that the connection made corresponds to the format of the signal output from the connected component.

4 AUDIO (INPUT1) (RCA pin jack)

5

Use to obtain sound when INPUT1 is selected. Connect this jack to the audio output connector of the device connected to INPUT1 to this unit.

Note

The left audio channel (L) jack is not compatible with monaural input sources.

5 AUDIO (INPUT2) (RCA Pin jacks)

Use to obtain sound when INPUT2 (analog audio) is selected.

Connect these jacks to the audio output connectors of components connected to INPUT2.

Note

The left audio channel (L) jack is not compatible with monaural input sources.

6 HDMI (INPUT2) (HDMI jack)

For connection of components that have a digital video output terminal such as a digital set top box, DVD player, etc. compatible with HDCP. Before attempting to connect one of these devices, read its operating instructions to make sure that it can be connected.

(HDCP = High-bandwidth Digital Content Protection) (HDMI = High Definition Multimedia Interface)

7 MAIN POWER switch

Use to switch the main power of the plasma display on and off.

8 AC IN

A power cable is furnished with the plasma display; connect one end of the power cable to this connector, and the other end to a standard AC power source.

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9 SPEAKER (L) terminal

For connection of an external left speaker. Connect a speaker that has an impedance of $8-16\,\Omega$.

A 10 S-VIDEO (INPUT3) (S-video jack)

For connection of components that have an S-video output jack such as a video deck, video camera, laser disc player, or DVD recorder.

1 AUDIO R/L (INPUT3) (RCA Pin jacks)

Use to obtain sound when INPUT3 is selected. Connect these jacks to the audio output connectors of components connected to INPUT3 to this unit.

12 VIDEO IN (INPUT4) (RCA Pin jack)

For connection of components that have a composite video output jack such as a video deck, video camera, laser disc player, or DVD recorder.

(3) VIDEO OUT (INPUT4) (RCA Pin jack)

Use the VIDEO OUT (INPUT4) jack to output the video signal to an external monitor or other component.

Note

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The video signal will not be output from the VIDEO OUT (INPUT4) jack when the main power of this display is off or in standby mode.

14 AUDIO R/L (INPUT4) (RCA Pin jacks)

connected to INPUT5 to this unit.

Use to obtain sound when INPUT4 is selected. Connect these jacks to the audio output connectors of components connected to INPUT4 to this unit.

(15) COMPONENT VIDEO (INPUT5) (RCA Pin jacks)
For connection of components that have component

video output jacks such as a DVD recorder.

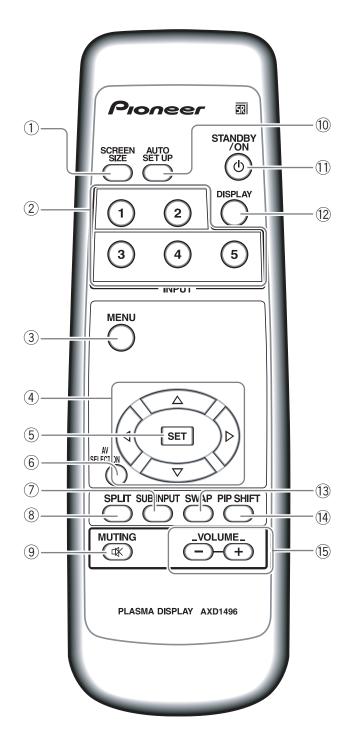
(16) AUDIO R/L (INPUT5) (RCA Pin jacks) Use to obtain sound when INPUT5 is selected. Connect these jacks to the audio output connectors of components

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■ REMOTE CONTROL UNIT

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[PDP-5004, PDP-4304]



1 SCREEN SIZE button

Press to select the screen size.

2 INPUT buttons

Press to select the input.

3 MENU button

Press to open and close the on-screen menu.

4 ADJUST (▲/▼/►/◄) buttons

Use to navigate menu screens and to adjust various settings on the unit.

5 SET button

Press to adjust or enter various settings on the unit.

(6) AV SELECTION button

Press to switch to Picture settings.

(VIDEO mode: DYNAMIC, STANDARD, MOVIE,

GAME, USER

PC mode: STANDARD, USER)

(7) SUB INPUT button

During multi-screen display, use this button to change inputs to subscreens.

(8) SPLIT button

Press to switch to multi-screen display.

(9) MUTING button

Press to mute the volume.

10 AUTO SET UP button

When using computer signal input, automatically sets the [POSITION], [CLOCK] and [PHASE] to optimum values.

(1) STANDBY/ON button

Press to put the unit in operation or standby mode.

12 DISPLAY button

Press to view the unit's current input and setup mode.

(13) SWAP button

During multi-screen display, use this button to switch between main screen and subscreen.

(14) PIP SHIFT button

When using PinP mode with multi-screen display, use this button to move the position of subscreen.

15 VOLUME (+/-) buttons

Use to adjust the volume.

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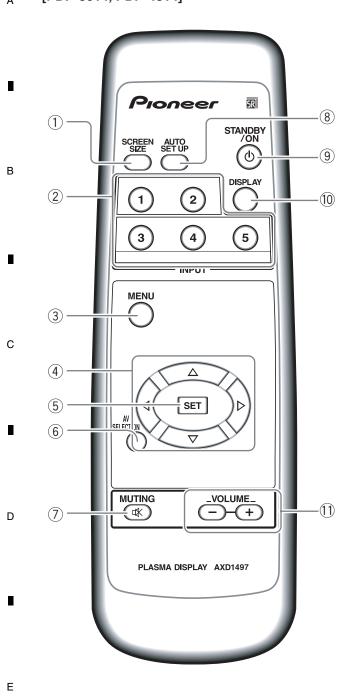
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PDP-5004

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[PDP-5014, PDP-4314]



1 SCREEN SIZE button

Press to select the screen size.

2 INPUT buttons

3

Press to select the input.

(3) MENU button

Press to open and close the on-screen menu.

4 ADJUST (▲/▼/►/◄) buttons

Use to navigate menu screens and to adjust various settings on the unit.

(5) SET button

Press to adjust or enter various settings on the unit.

6 AV SELECTION button

Press to switch to Picture settings.
(VIDEO mode: DYNAMIC, STANDARD, MOVIE, GAME, USER

PC mode: STANDARD, USER)

7 MUTING button

Press to mute the volume.

8 AUTO SET UP button

When using computer signal input, automatically sets the [POSITION], [CLOCK] and [PHASE] to optimum values.

(9) STANDBY/ON button

Press to put the unit in operation or standby mode.

10 DISPLAY button

Press to view the unit's current input and setup mode.

1 VOLUME (+/–) buttons

Use to adjust the volume.

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■ INSTALLATION OF THE UNIT UNIT

Installation using the optional PIONEER stand or installation bracket

- · Please be sure to request installation or mounting of this unit or the installation bracket by the dealer where purchased.
- When installing, be sure to use the bolts provided with the stand or installation bracket.
- For details concerning installation, please refer to the instruction manual provided with the st and or installation bracket.

Installation using accessories other than the PIONEER stand or installation bracket (sold separately)

- When possible, please install using parts and accessories manufactured by PIONEER. PIONEER will not be held responsible for accident or damage caused by the use of parts and accessories manufactured by other companies.
- For custom installation, please consult the dealer where the unit was purchased.

Wall-mount installation of the unit

This unit has been designed with bolt holes for wallmount installation, etc. The installation holes that can be used are shown in the diagram below.

- Be sure to attach in 4 or more locations above and below, left and right of the center line.
- Use bolts that are long enough to be inserted 1/2 inch (12 mm) to 11/16 inch (18 mm) into the main unit from the attaching surface for both a holes. Refer to the side view diagram below.
- As this unit is constructed with glass, be sure to install it on a flat, unwarped surface.

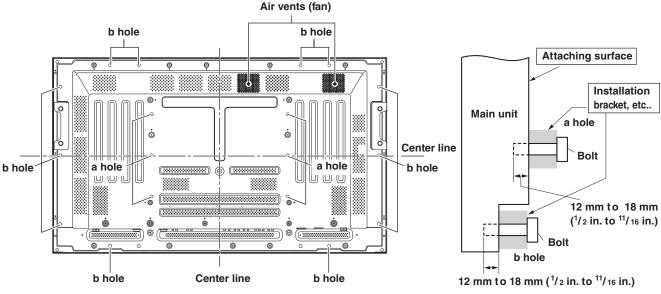
CAUTION

To avoid malfunction, overheating of this unit, and possible fire hazard, make sure that the vents on the main unit are not blocked when installing. Also, as hot air is expelled from the air vents, be careful of deterioration and dirt build up on rear surface

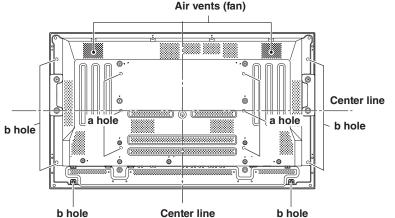


CAUTION

Please be sure to use an M8 (Pitch = 1.25 mm) bolt (Only this size bolt can be used).



Rear view diagram (PDP-5004/PDP-5014)



Rear view diagram (PDP-4304/PDP-4314)

5

This display unit weighs at least 67 lbs (30 kg) and has little front-to-back depth, making it very unstable when stood on edge. As a result, two or more persons should cooperate when unpacking, moving, or installing the display.

Side view diagram



CAUTION

This unit incorporates a thin design. To ensure safety if vibrated or shaken, please be sure to take measures to prevent the unit from tipping over.

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Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3271

PLASMA DISPLAY

PDP-436PE PDP-436PU

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-436PE	WYVI	AC220 - 240V	
PDP-436PU	KUCXC	AC120V	

Note:

Media Receivers up to Generation 5 (G5) cannot be connected with this unit. Be sure to use a Media Receiver of Generation 6 (G6) (ex.: PDP-R06**, etc.).



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

■ Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis.

The following precautions should be observed:

- When service is required, even though the PDP UNIT an isolation transformer should be inserted between the power line and the set in safety before any service is performed.
- 2. When replacing a chassis in the set, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistor-capacitor, etc.
- 3. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
 - 4. Always use the manufacture's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
 - 5. Before returning a serviced set to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacture has become defective, or inadvertently defeated during servicing. Therefore, the following checks should be performed for the continued protection of the customer and

- 6. Perform the following precautions against unwanted radiation and rise in internal temperature.
- Always return the internal wiring to the original styling.
- Attach parts (Gascket, Ferrite Core, Ground, Rear Cover, Shield Case etc.) surely after disassembly.
- 7. Perform the following precautions for the PDP panel.
- When the front case is removed, make sure nothing hits the panel face, panel corner, and panel edge (so that the glass does not break).
- Make sure that the panel vent does not break. (Check that the cover is attached.)
- Handle the FPC connected to the panel carefully.

 Twisting or pulling the FPC when connecting it to the connector will cause it to peel off from the panel.
- 8. Pay attention to the following.
- Pay extreme caution when the front case and rear panel are removed because this may cause a high risk of disturbance to TVs and radios in the surrounding.

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PDP-436PE

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Leakage Current Cold Check

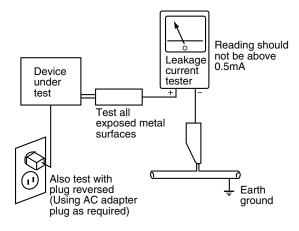
With the AC plug removed from an AC power source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC 500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (input/output terminals, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of $0.3 M\Omega$ and a maximum resistor reading of $5 M\Omega$. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into an AC power source (do not use an isolation transformer for this check).

Turn the AC power switch on.

Using a "Leakage Current Tester (Simpson Model 229 equivalent)", measure for current from all exposed metal parts of the cabinet (input/output terminals, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE SET TO THE CUSTOMER.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in PIONEER set have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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■Charged Section

The places where the commercial AC power is used without passing through the power supply transformer.

If the places are touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. Therefore, be sure to connect the set via an insulated transformer and supply the current.

B 1. Power Cord

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- 2. AC Inlet
- 3. Power Switch (S1)
- 4. Fuse (In the POWER SUPPLY Unit)
- 5. STB Transformer and Converter Transformer (In the POWER SUPPLY Unit)
- 6. Other primary side of the POWER SUPPLY Unit

■ High Voltage Generating Point

The places where voltage is 100V or more except for the charged places described above. If the places are touched, there is a risk of electric shock.

If the procedures described in "7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM" are performed before the power is turned off, the voltage will be discharged in about 30 seconds.

1. POWER SUPPLY Unit	(205V)
2. 43 X DRIVE Assy	(-180V to 205V)
3. 43 Y DRIVE Assy	(500V)
4. 43 SCAN A Assy	(500V)
5. 43 SCAN B Assy	(500V)
6. SUS CLAMP 1 Assy	(-180V to 205V)
7. SUS CLAMP 2 Assy	(-180V to 205V)

: Part is Charged Section.

: Part is the High Voltage Generating Points other than the Charged Section.

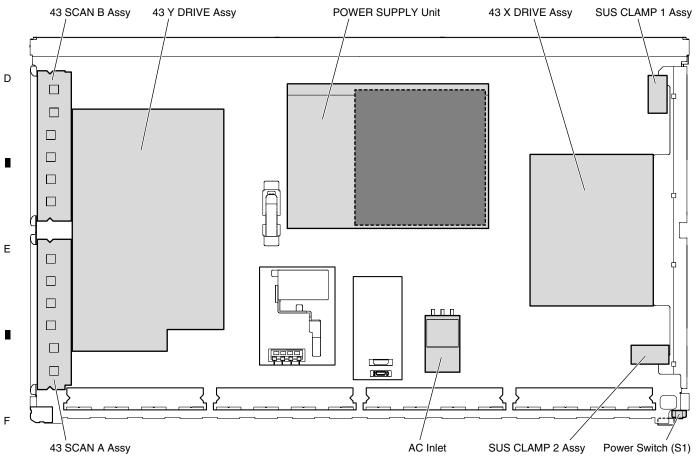


Fig.1 Charged Section and High Voltage Generating Point (Rear View)

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PDP-436PE

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

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3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

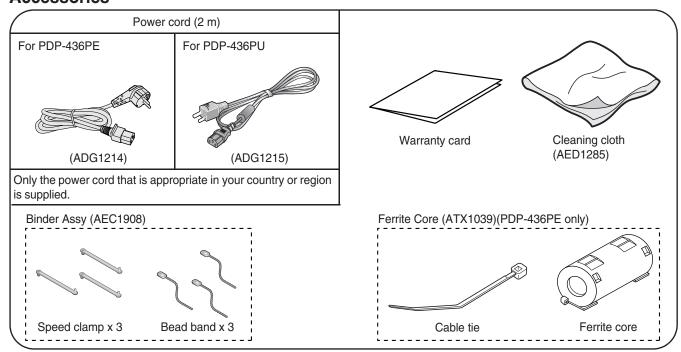
Item	43" Plasma Display, Model: PDP-436PE	43" Plasma Display, Model: PDP-436PU
Number of Pixels	1024 × 768 pixels	1024 × 768 pixels
Audio Amplifier	13 W + 13 W (1 kHz, 10 %, 8Ω)	13 W + 13 W (1 kHz, 10 %, 8Ω)
Surround System	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass
Power Requirement	220 - 240 V AC, 50/60 Hz, 344 W (0.4 W Standby)	120 V AC, 60 Hz, 296 W (0.2 W Standby)
Dimensions	1076 (W) × 632 (H) × 92 (D) mm	1076 (W) × 632 (H) × 92 (D) mm (42 3/8 (W) × 24 29/32 × (H) 3 5/8 × (D) inches)
Weight	25.8 kg (56.9 lbs.)	25.8 kg (56.9 lbs.)

• Design and specifications are subject to change without notice.

Trademarks

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Accessories



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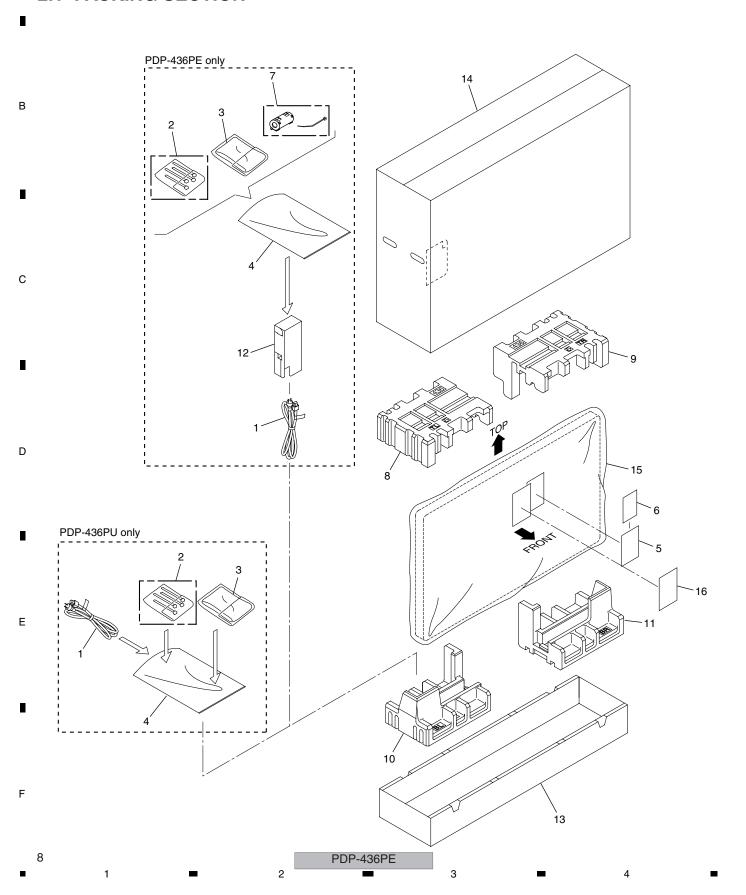
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

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(1) PACKING SECTION PARTS LIST

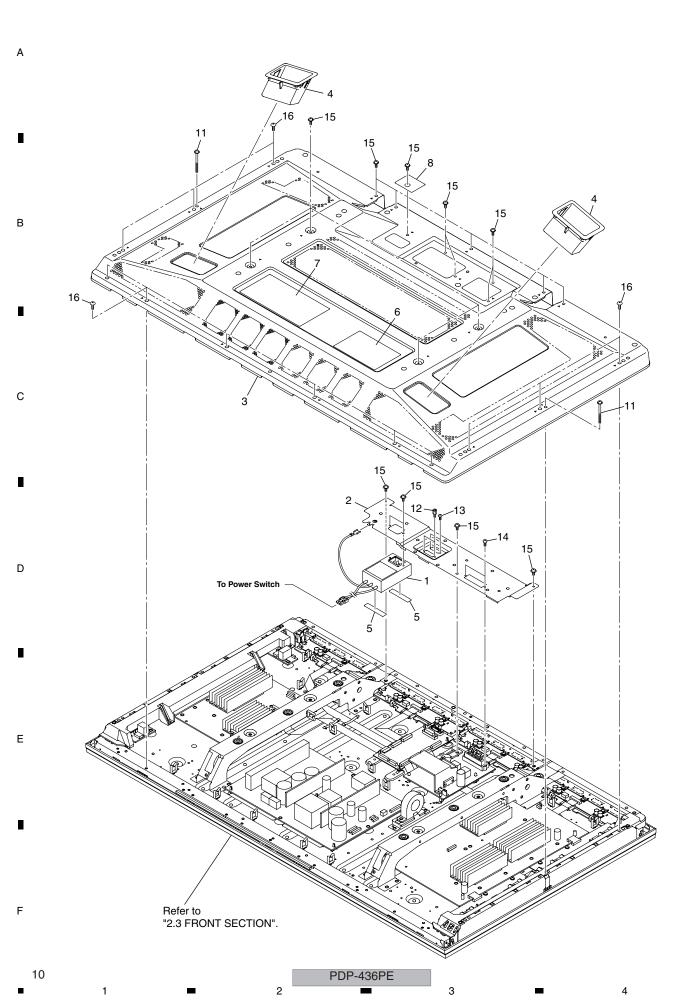
Mark	<u>No.</u>	<u>Description</u>	Part No.
\triangle	1	Power Cord	See Contrast table (2)
	2	Binder Assy	AEC1908
	3	Cleaning Cloth	AED1285
	4	Polyethylene Bag S	See Contrast table (2)
NSP	5	Catalogue Bag	See Contrast table (2)
NSP	6	Warranty card	See Contrast table (2)
<u> </u>	7	Ferrite Core	See Contrast table (2)
	8	Pad (43T-L)	See Contrast table (2)
	9	Pad (43T-R)	See Contrast table (2)
	10	Pad (43B-L)	See Contrast table (2)
	11	Pad (43B-R)	See Contrast table (2)
	12	Power Cord Case	See Contrast table (2)
	13	Under Carton	See Contrast table (2)
	14	Upper Carton	See Contrast table (2)
	15	Mirror Mat	See Contrast table (2)
	16	Caution Card	See Contrast table (2)

(2) CONTRAST TABLE
PDP-436PE/WYVI and PDP-436PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-436PE/WYVI	PDP-436PU/KUCXC
<u>(1)</u>	1	Power Cord	ADG1214	ADG1215
	4	Polyethylene Bag S	AHG1338	AHG1348
NSP	5	Catalogue Bag	AHG1340	AHG1347
NSP	6	Warranty Card	ARY1114	ARY1145
\triangle	7	Ferrite Core	ATX1039	Not used
	8	 Pad (43T-L)	AHA2431	AHA2463
	9	Pad (43T-R)	AHA2432	AHA2464
	10	Pad (43B-L)	AHA2433	AHA2465
	11	Pad (43B-R)	AHA2434	AHA2466
	12	Power Cord Case	AHC1073	Not used
	13	Under Carton (436)	AHD3346	Not used
	13	Under Carton (436PU)	Not used	AHD3380
	14	Upper Carton (436PE)	AHD3368	Not used
	14	Upper Carton (436PU)	Not used	AHD3384
	15	Mirror Mat	AHG1284	AHG1352
	16	Caution Card	ARM1232	ARM1239

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PDP-436PE



(1) REAR SECTION PARTS LIST

Mark I	<u>No.</u>	Description	Part No.	
<u> </u>	1	AC Inlet	AKP1274	
	2	Control Plate	AND1185	Α
	3	Rear Case (436)	ANE1640	
	4	Inner Grip Assy	AMR3434	
	5	AC Cushion	AEC2035	
NSP	6	Model Label	See Contrast table (2)	
	7	Caution Label	See Contrast table (2)	
	8	AC Label PE	See Contrast table (2)	
	9	••••		
	10	••••		
	11	Screw (3 x 40P)	ABA1332	В
	12	Hexagon Head Screw	BBA1051	
	13	Screw	PMZ26P060FTB	
	14	Screw	BPZ30P080FTB	
	15	Screw	AMZ30P060FTB	
	16	Screw	TBZ40P080FTB	

(2) CONTRAST TABLE
PDP-436PE/WYVI and PDP-436PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-436PE/WYVI	PDP-436PU/KUCXC
NSP	6	Model Label (436PE)	AAL2670	Not used
NSP	6	Model Label (436PU)	Not used	AAL2680
	7	Caution Label	AAX3117	AAX3075
	8	AC Label PE	AAX3194	Not used

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Refer to "2.4 CHASSIS SECTION (1/2)",

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PDP-436PE

(1) FRONT SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	
1	Front Case Assy (436PE)	AMB2855	
2	Corner Cushion	AEB1416	
3	Pioneer Name Plate	AAM1096	
4	Power Button	AAD4133	
5	Coil Spring	ABH1120	
6	Blind Cushion	AEB1415	
7	Insulation Sheet A	AED1283	
8	Insulation Sheet B	AED1284	
9	Power Display Label (436)	See Contrast table (2)	
10	Screw Rivet	AEC1877	

(2) CONTRAST TABLE

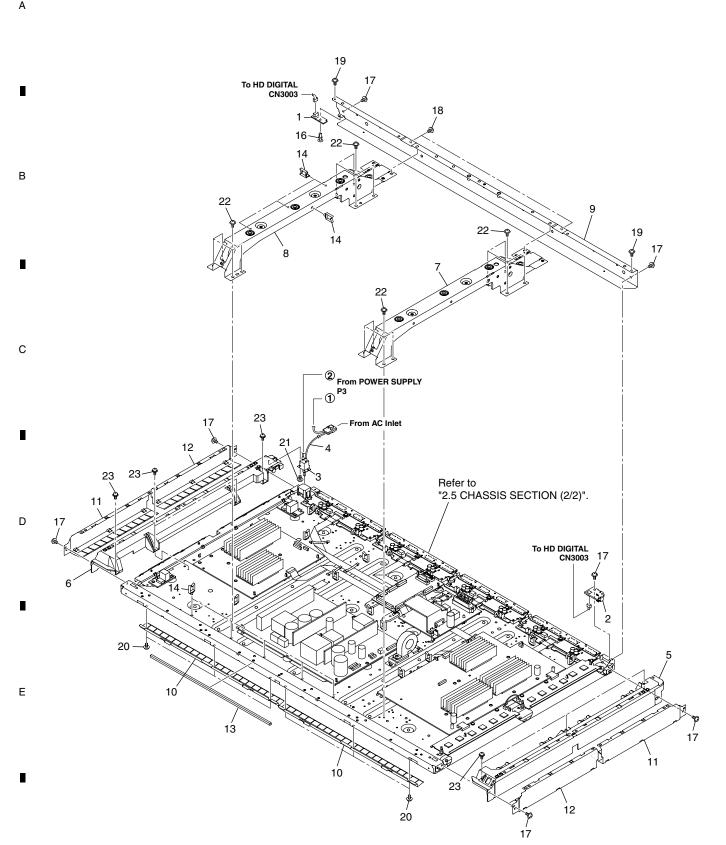
PDP-436PE/WYVI and PDP-436PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-436PE/WYVI	PDP-436PU/KUCXC
	9	Power Display Label (436)	AAX3205	Not used

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PDP-436PE

■ CHA	SSI	5 SECTION (1/2) PARTS	6 S LIST	-	7	-	8	•
Mark		Description	Part No.					
	1	HD LED Assy	AWW1029					
	2	HD IR Assy	AWW1030					_
<u>(1</u>)	3	Power Switch (S1)	ASG1092					Α
•	4	Housing Wire (43)(J103)	ADX3126					
	5	Front Chassis VL (43)	AMA1016					
	6	Front Chassis VR (43)	AMA1017					
	7	Sub Frame L Assy (436)	ANA1864					
	8	Sub Frame R Assy (436)	ANA1865					
	9	Front Chassis H Assy (43)	ANA1884					
	10	Panel Holder H (43)	ANG2772					
	11	Panel Holder V1 (43)	ANG2773					В
	12	Panel Holder V2 (43)	ANG2774					
	13	Cushion	AEB1424					
	14	Wire Saddle	AEC1745					
	15	••••						
	16	Nyron Rivet	AEC1671					
	17	Screw	ABZ30P080FTC					
	18	Screw	AMZ30P060FTB					
	19	Screw	APZ30P080FTB					
	20	Screw	BBZ30P060FTC					С
	21	Screw	BPZ30P080FTB					
	22	Screw	TBZ40P080FTB					
	23	Screw	VBB30P080FNI					
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PDP-436PE

		5	6					
CHASSIS SECTION (2/2) PARTS LIST								
Mark	No.	Description	Part No.					
	1	43 X DRIVE Assy	AWW1074					
	2	SUS CLAMP 1 Assy	AWW1022					
	3	SUS CLAMP 2 Assy	AWW1023					
	4	43 Y DRIVE Assy	AWV2256					
	5	HD DIGITAL Assy	AWW1028					
	6	HD AUDIO Assy	AWV2203					
<u> </u>	7	POWER SUPPLY Unit	AXY1112					
	8	Ring Core with Case	ATX1042					
	9	Ferrite Core	ATX1048					
	10	Flexible Cable (J201)	ADD1299					
	11	Flexible Cable (J202)	ADD1300					
	12	Flexible Cable (J203)	ADD1301					
	13	Flexible Cable (J204)	ADD1302					
	14	Flexible Cable (J205)	ADD1303					
	15	Flexible Cable (J206)	ADD1304					
	16	4P Housing Wire (J108)	ADX3131					
	17	6P Housing Wire (J109)	ADX3132					
	18	12P Housing Wire (J110)	ADX3133					
	19	6P Housing Wire (J111)	ADX3134					

21 14P Housing Wire (J104) ADX3162 22 3P Housing Wire (J105) ADX3128 23 9P Housing Wire (J101) ADX3124 24 8P Housing Wire (J102) ADX3125 5P Housing Wire (J106) ADX3129 25 6P Housing Wire (J107) 26 ADX3130 27 Conductive Plate XA ANG2776 28 FC Stay ANG2815

ADX3136

AEC-093

AEC1188

3P Housing Wire (J113)

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NSP 30

Binder

PCB Spacer

31 Flat Clamp AEC1879 PCB Spacer 32 AEC1941 33 Drive Silicone Sheet AEH1095 Power Supply Insulation Sheet AMR3447 34 35 Audio Insulation Sheet AMR3469

Wire Saddle AEC1745 36 • • • • • 37 AEC1971

38 Mini Clamp ABA1324 39 Screw 40 Screw PMB30P060FTC

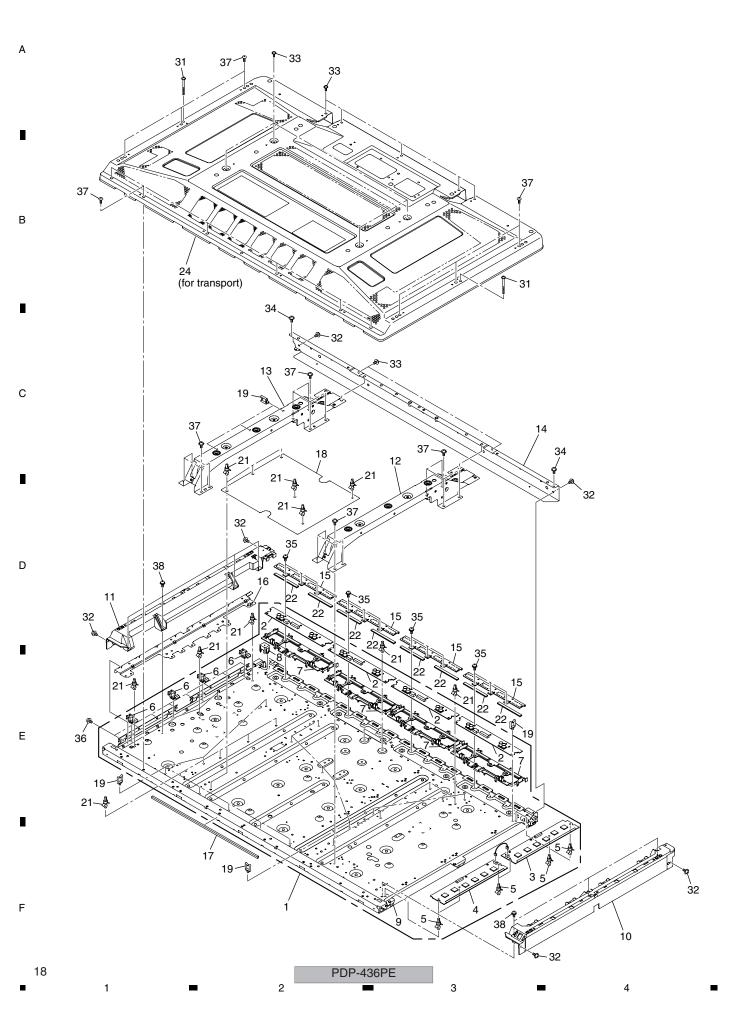
VBB30P080FNI 41 Screw

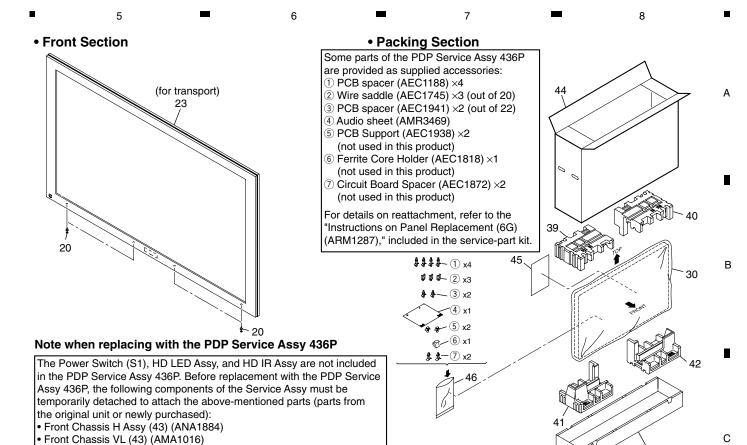
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PDP SERVICE ASSY 436P (AWU1135) PARTS LIST

• Front Chassis VR (43) (AMA1017)

Mark No.	<u>Description</u>	Part No.	Mark No.	Description	Part No.	
NSP 1	Panel Chassis (436) Assy	AWU1145	25	••••		
NSP 2	43 ADDRESS Assy	AWV2204	26	••••		
NSP 3	43 SCAN A Assy	AWW1018	27	••••		
NSP 4	43 SCAN B Assy	AWW1019	28	••••		
5	PCB Spacer	AEC1944	29	••••		
			30	Protect Sheet	AHG1331	D
6	Conductive Plate Holder	AMR3446				
7	Address Holder Assy (436)	AMR3455	31	Screw (3x40P)	ABA1332	
8	Tube Cover	AMR3445	32	Screw	ABZ30P080FTC	
NSP 9	Chassis Assy (436)	ANA1833	33	Screw	AMZ30P060FTB	
10	Front Chassis VL (43)	AMA1016	34	Screw	APZ30P080FTB	_
			35	Screw	BBB30P120FNI	
11	Front Chassis VR (43)	AMA1017				
12	Sub Frame L Assy (436)	ANA1864	36	Screw	PMB30P060FTC	
13	Sub Frame R Assy (436)	ANA1865	37	Screw	TBZ40P080FTB	
14	Front Chassis H Assy (43)	ANA1884	38	Screw	VBB30P080FNI	
15	Address Heatsink (436)	ANH1641	39	Pad (43T-L)	AHA2431	Е
			40	Pad (43T-R)	AHA2432	
16	Conductive Plate XA	ANG2776				
17	Cushion	AEB1424	41	Pad (43B-L)	AHA2433	
18	Power Supply Insulation Sheet	AMR3447	42	Pad (43B-R)	AHA2434	
19	Wire Saddle	AEC1745	43	Under Carton	AHD3346	•
20	Screw Rivet	AEC1877	NSP 44	Upper Carton	AHD3436	_
			NSP 45	Exchange Panel Sheet	ARM1287	
21	PCB Spacer	AEC1941				
22	Address Silicone A	AEH1093	46	Vinyl Bag S	AHG1338	
23	Front Case Assy 436 service	AMB2895				_
	(for transportation: please do no	ot use for repair)				F
24	Rear Case (436)	ANE1640				
	(for transportation: please do no	ot use for repair)				
						40

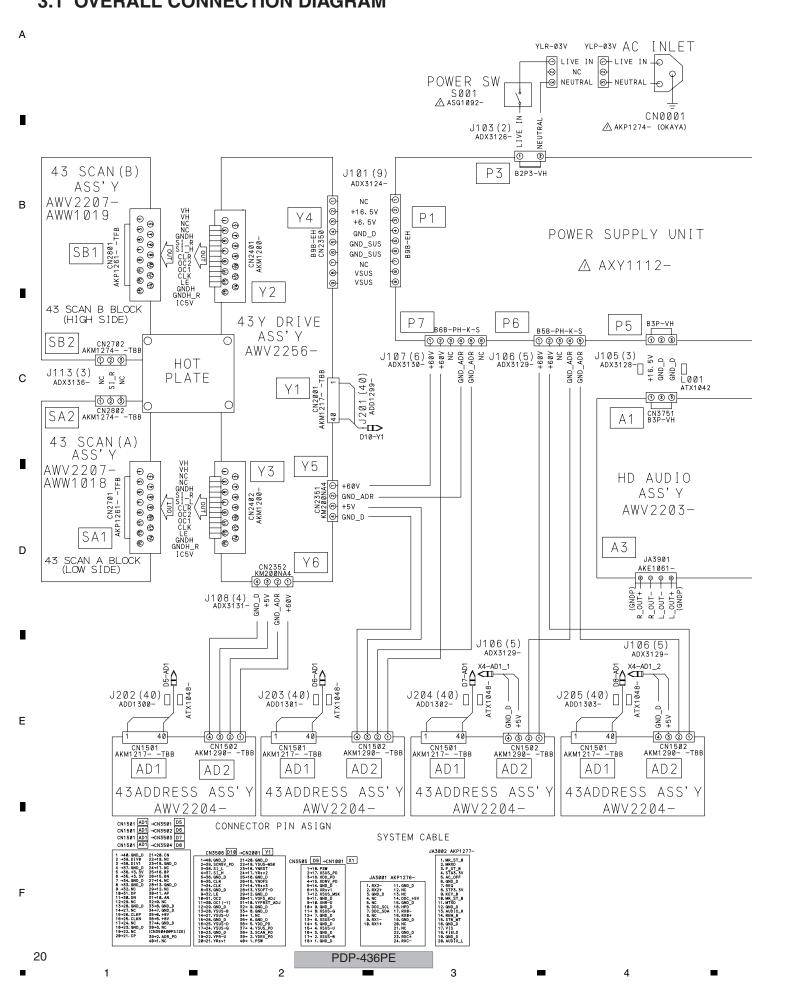
19

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3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM 3.1 OVERALL CONNECTION DIAGRAM

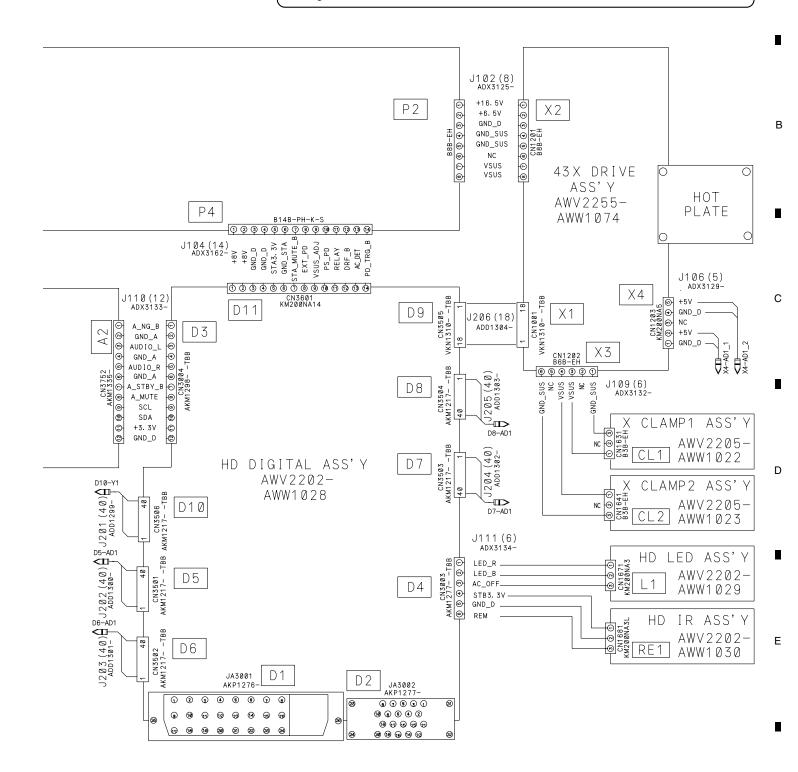


 When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".

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• The <u>Mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.</u>



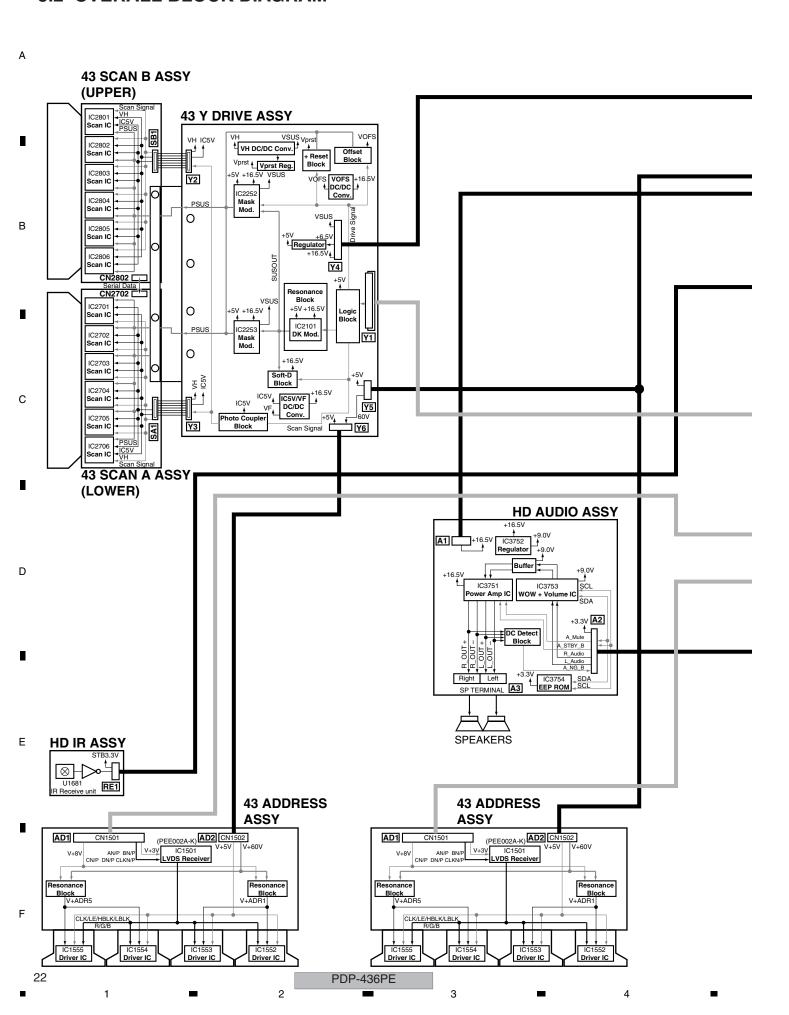
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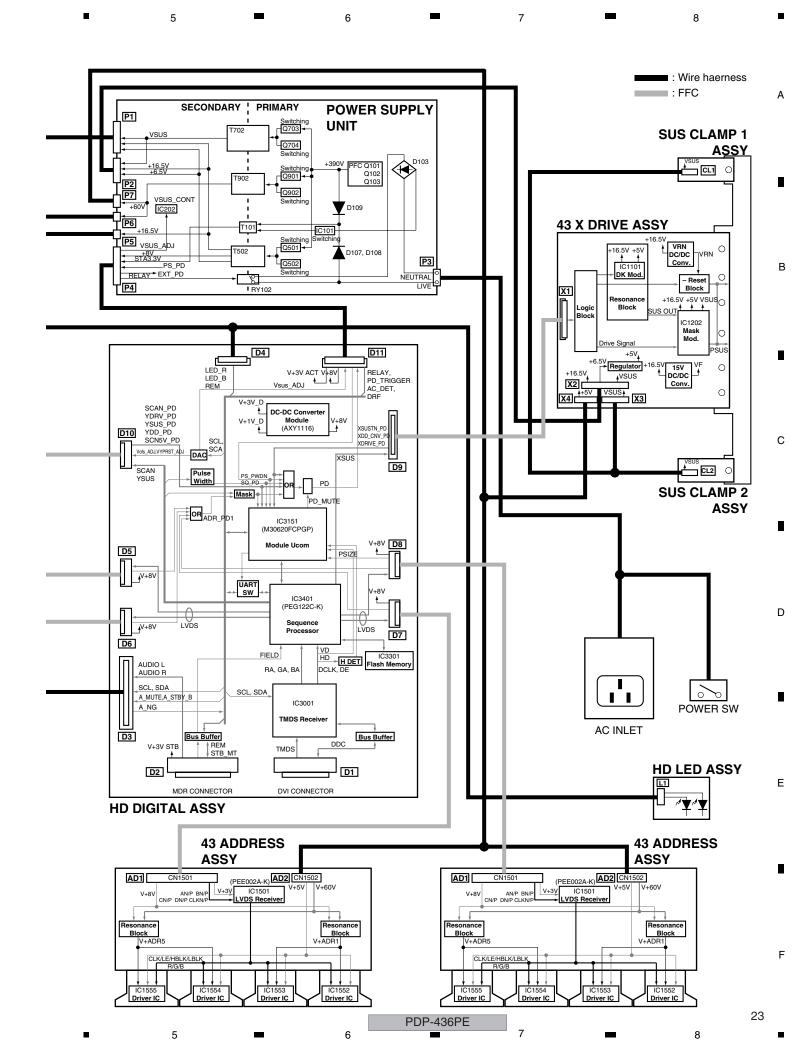
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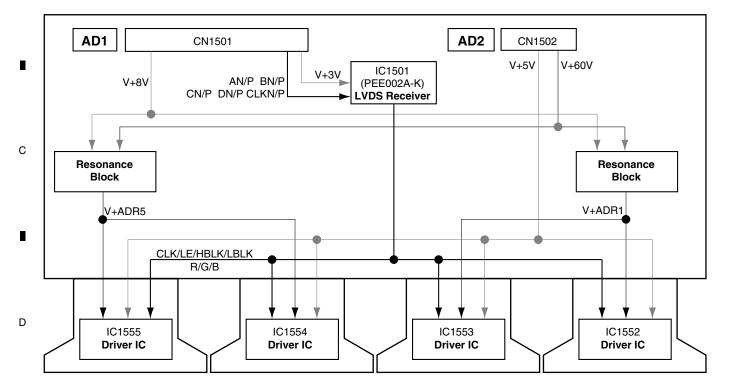
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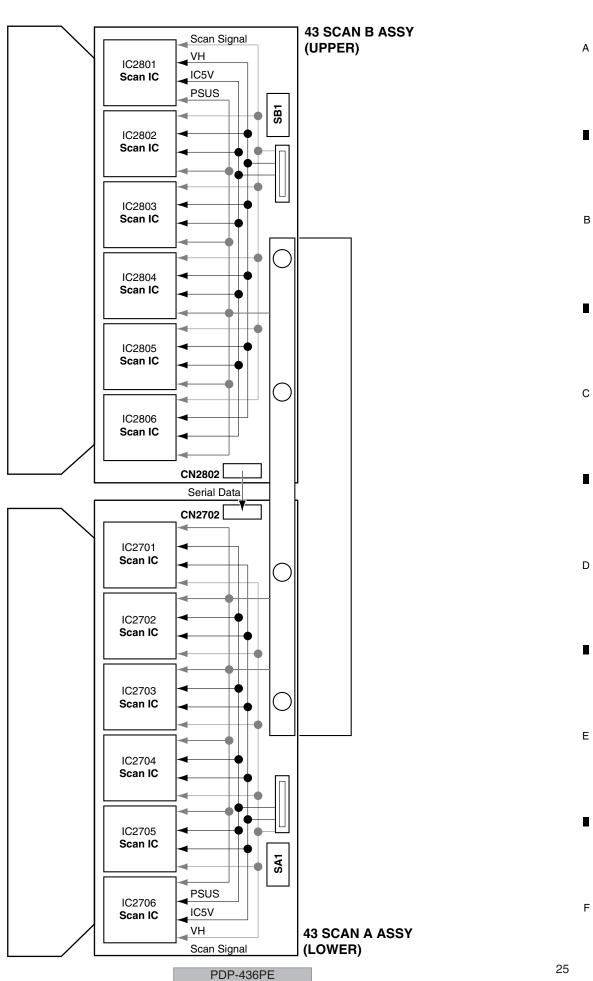
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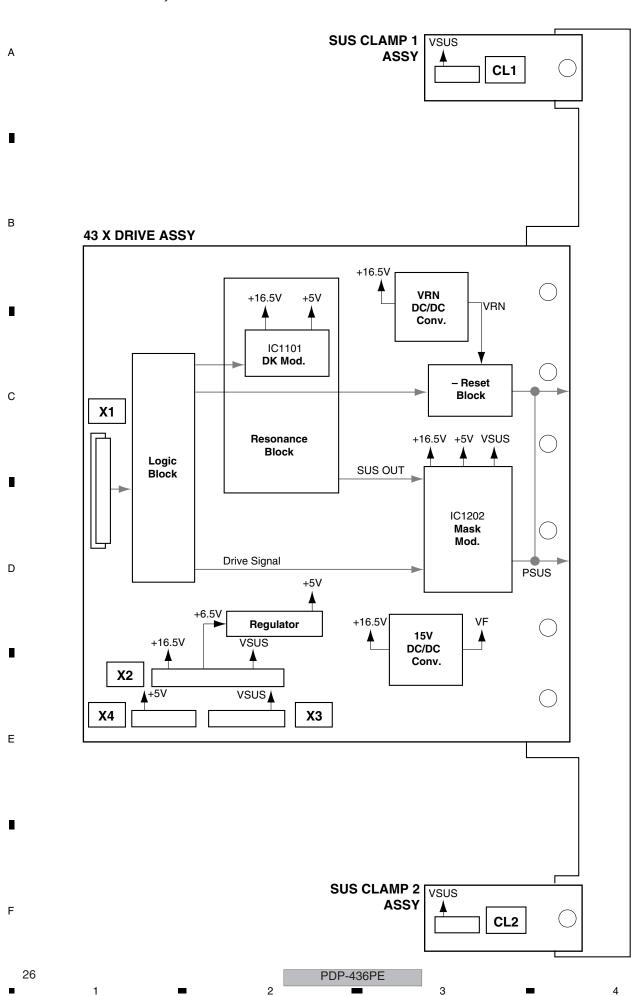
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3.4 43 SCAN A and B ASSYS



3.5 43 X DRIVE, SUS CLAMP 1 and SUS CLAMP 2 ASSYS



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PDP-436PE

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PDP-436PE

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SPEAKERS

D103

P3

NEUTRAL O

LIVE

4

SECONDARY PRIMARY P1 Switching В Q703 T702 VSUS Q704 Switching +390V PFC Q101 +16.5V Switching +6.5V Q102 Q901 T902 Q103 **P2 P7** Q902 Switching VSUS_CONT +60V D109 IC202 С P6 T101 IC101 +16.5V Switching P5 VSUS_ADJ Switching Q501 T502 +8V D107, D108 STA3.3V Q502 PS_PD
RELAY EXT_PD Switching

RY102

D

P4

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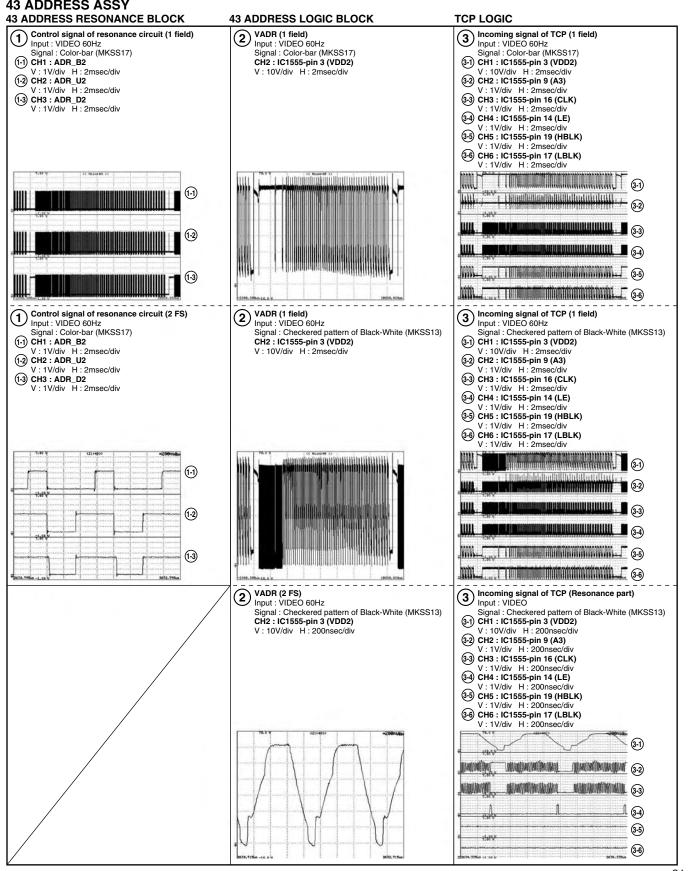
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Note: The encircled numbers denote measuring point in the schematic diagram. Refer to service manual (ARP3272).

43 ADDRESS ASSY

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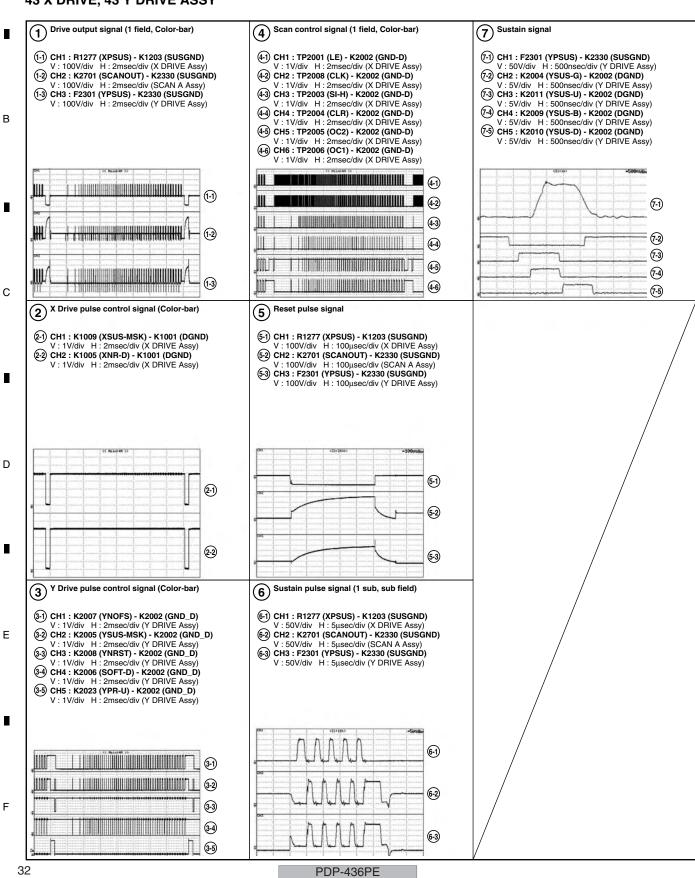
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43 X DRIVE, 43 Y DRIVE ASSY



5. PCB PARTS LIST

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NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

• When ordering resistors, first convert resistance values into code form as shown in the following examples. Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{1} \rightarrow 5621 \cdots RN1/4PC 5 6 2 1 F$

MarkNo. Description LIST OF ASSEMBLIES	Part No.	Mark No. Description [43 ADR RESONANCE BLOCK]	Part No.
NSP 1PANEL CHASSIS (436) ASSY NSP 243 ADDRESS ASSY NSP 243 SCAN ASSY NSP 343 SCAN A ASSY NSP 343 SCAN B ASSY	AWU1145 AWV2204 AWV2207 AWW1018 AWW1019	SEMICONDUCTORS IC1601,IC1602 Q1612 Q1607,Q1609 Q1601,Q1610 Q1606,Q1608,Q1611	TND307TD 2SA1163 HAT1110R HAT3021R QSZ2
NSP 143 X DRIVE ASSY 243 X DRIVE ASSY 2SUS CLAMP 1 ASSY 2SUS CLAMP 2 ASSY 143 Y DRIVE ASSY	AWV2255 AWW1074 AWW1022 AWW1023	Q1615 D1612 D1625,D1628 D1602,D1603,D1605,D1606 D1607-D1610	RN1901 1SS302 1SS355 EC10UA20 EP05FA20
NSP 1HD DIGITAL ASSY 2HD DIGITAL ASSY 2HD LED ASSY 2HD IR ASSY	AWV2202 AWW1028 AWW1029 AWW1030	D1601,D1611,D1620,D1622 COILS AND FILTERS L1601,L1604 INDUCTOR	UDZS15(B) ATH1135
1HD AUDIO ASSY 1POWER SUPPLY UNIT	AWV2203 AXY1112	CAPACITORS C1609 (0.1U/100V) C1620,C1621 (330P/100V) C1601,C1614 (0.1U/100V) C1602,C1604 (56U/80V) C1613	ACG1098 ACG1105 ACG1124 ACH1422 CKSRYB104K25
		C1619	CKSYB105K16
Mark No. Description 43 ADDRESS ASSY [43 ADR LOGIC BLOCK] SEMICONDUCTORS IC1501	PEE002A	RESISTORS R1601,R1617 Other Resistors Other Resistors	RS1/16S4702F RS1/16S###J RS1/16SS###J
CAPACITORS C1501,C1502 C1509,C1510	QTL1013 CKSRYB105K6R3 CKSSYB102K50	43 SCAN A ASSY SEMICONDUCTORS IC2701-IC2706 IC2707 D2701-D2705	SN755870PZT TC7SH08FUS1 1SS355
RESISTORS R1505-R1509 R1530,R1531	CKSSYF104Z16 RS1/16SS1000F RS1/16S0R0J RS1/16SS###J	CAPACITORS C2701,C2711,C2721 (0.1U/250V) C2731,C2741,C2751 (0.1U/250V) C2710,C2720,C2730,C2740,C2750 C2760 C2708,C2709,C2718,C2719	ACG1088 ACG1088 CCSRCH181J50 CCSRCH181J50 CCSRCH331J50
	AKM1217 AKM1290	C2728,C2729,C2738,C2739 C2748,C2749,C2758,C2759 C2705-C2707,C2715-C2717 C2725-C2727,C2735-C2737 C2745-C2747,C2755-C2757	CCSRCH331J50 CCSRCH331J50 CCSRCH390J50 CCSRCH390J50 CCSRCH390J50

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1 -	2		3	•	4
Mark No. Description	Part No.		Mark No.	Description	Part No.
C2703,C2713,C2723,C2733,C2743	CKSRYB105K6R3		OTHERS		<u> </u>
C2753,C2761	CKSRYB105K6R3			FFC CONNECTOR	VKN1310
02.00,02.0.	0.10.1.2.00.10.10		CIVIOUT TOP	IT C CONNECTOR	VINISIO
RESISTORS					
R2705,R2710,R2713,R2716,R2719	RAB4C221J		[X RESONAN	CE BLOCK]	
R2722	RAB4C221J		SEMICONDU		
Other Resistors	RS1/16S###J		IC1101		AXF1145
OTHERO			IC1141		BA10393F
OTHERS CN2702 PH CONNECTOR 3P	AKM1274		Q1141		2SC4116
CN2702 PH CONNECTOR 3P CN2701 13P BRIDGE CONNECTOR			D1101-D1105		D1FL40
ONE/OF TOP BRIDGE CONTINEOTOR	744 1201		COILS AND F	III TEDO	
			L1101,L1102		ATH1155
			L1103-L1106		ATH1193
43 SCAN B ASSY					
SEMICONDUCTORS			CAPACITORS	<u>S</u>	
IC2801-IC2806	SN755870PZT		C1106-C1110		ACE1178
IC2807	TC7SH08FUS1			C1113 (0.22U/250V)	ACG1112
D2801-D2805	1SS355		C1121 (470P/6		ACG1126 ACG1129
CAPACITORS			C1167,C1168 (C1105	(3300F/030V)	CCG1186
C2801,C2811,C2821 (0.1U/250V)	ACG1088		01103		0001100
C2831,C2841,C2851 (0.1U/250V)	ACG1088		C1141,C1142,0	C1144,C1145	CKSRYB104K16
C2810,C2820,C2830,C2840,C2850	CCSRCH181J50		C1102,C1146		CKSRYB105K6R3
C2860	CCSRCH181J50		C1103		CKSYB105K25
C2808,C2809,C2818,C2819	CCSRCH331J50		DEGISTORS		
C0000 C0000 C0000 C0000	00000011004150		RESISTORS		AON14400
C2828,C2829,C2838,C2839 C2848,C2849,C2858,C2859	CCSRCH331J50 CCSRCH331J50		R1101 R1142,R1146		ACN1168 RS1/10S1003F
C2805-C2807,C2815-C2817	CCSRCH390J50		R1122,R1123		RS1/10S1003I
C2825-C2827,C2835-C2837	CCSRCH390J50		R1148,R1150		RS1/16S5601F
C2845-C2847,C2855-C2857	CCSRCH390J50		R1151,R1155		RS1/16S6801F
	01/07//7/07/07/07/07/07/07/07/07/07/07/07/		5		D001#454004
C2803,C2813,C2823,C2833,C2843	CKSRYB105K6R3 CKSRYB105K6R3		R1106,R1121 Other Resistors		RS2MMF100J
C2853,C2861	CKSHYBIUSKoH3		Other Resistors	5	RS1/16S###J
RESISTORS					
R2803,R2808,R2811,R2814,R2817	RAB4C221J		[X SUS BLOC	K]	
R2820	RAB4C221J		SEMICONDU	CTORS	
Other Resistors	RS1/16S###J		IC1202		AXF1143
OTHERS			IC1201		MM1565AF
OTHERS	A IZN 44 0.7.4		IC1252 IC1251		PS9117
CN2802 PH CONNECTOR 3P CN2801 13P BRIDGE CONNECTOR	AKM1274 AKP1261		IC1251 IC1271		TND301S TND307TD
ONZOOT TO BRIDGE CONNECTOR	ART 1201		101271		114000710
			Q1251		2SC2412K
			Q1272		2SK3325-Z
43 X DRIVE ASSY			D1281		1SS302
<u>OTHERS</u>			D1201 D1252		1SS355 CRH01
1002 DRIVE RADIATION SHEET	AEH1092		ם ובטב		OFFICE
1001 DRIVE HEATSINK X	ANH1637		D1282		UDZS16(B)
1002 DRIVE HEATSINK K	ANH1639		D1251		UDZS5R6(B)
1001 SCREW	BMZ30P080FTC				
			COIL C AND I	III TEDO	
[X LOGIC BLOCK]			COILS AND F		Λ Τ ∐1106
SEMICONDUCTORS			L1204,L1211 F1201 INDUC		ATH1186 CTF1449
IC1001	TC74ACT541FT		L1201,L1205,L		LFEA100J
IC1002	TC74VHC00FTS1		- ,,-		
O A DA OLTO DO			CAPACITORS	<u> </u>	
<u>CAPACITORS</u>	OFILIAT (TOTAL)		C1214-C1217		ACE1178
C1003	CEHAT470M16 CKSRYB104K16		C1297,C1298 ((3300P/630V)	ACG1129
C1001,C1002	UNON10104N10		C1212,C1213 C1231		ACH1424
RESISTORS			C1231 C1206		CEHAT101M10 CEHAT101M25
R1001,R1003	RAB4C470J		31200		OLI II II II IIIIZU
R1008,R1009	RAB4C472J				
Other Resistors	RS1/16S###J				
	_				
34	РГ	P-436P	E		

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lark No.	Description	Part No.	Mark No. Description	Part No.	
C1283		CEHAT2R2M2E	•		
C1208		CEHAT470M16	SUS CLAMP 2 ASSY		
C1222,C1272			<u>SEMICONDUCTORS</u>		
C1222,C1272		CEHAT470M25	D1641	DF20L60U	
	24000 04054 04050	CKSRYB105K6R3			
C1204,C1207,C	C1223,C1251,C1253	CKSRYF104Z50	CAPACITORS		
			· · · · · · · · · · · · · · · · · · ·	ACE1170	
C1273		CKSRYF104Z50	C1642	ACE1179	
C1220		CKSYB105K25			
			<u>OTHERS</u>		
ESISTORS			KN1642 GROUND PLATE	ANK-142	
R1204		ACN1166	CN1641 3P TOP POST	B3B-EH	
R1213		ACN1168	KN1641 WRAPPING TERMINAL	VNF1084	
R1276,R1277		RS3LMF470J			
Other Resistors	•	RS1/16S###J			
Other registers	,	1101/100###0			
THERS			43 Y DRIVE ASSY		
	00 000 1110 5: :==	A N II C 4 4 C			
	06 GROUND PLATE	ANK-142	<u>OTHERS</u>		
	11 GROUND PLATE	ANK-142	2001 DRIVE RADIATION SHEET	AEH1092	
CN1202 6PT0		B6B-EH	2001 CONDUCTIVE PLATEY	ANG2832	
CN1201 8PT0	OP POST	B8B-EH	2001 DRIVE HEATSINKY	ANH1638	
			2002 DRIVE HEATSINK K	ANH1639	
			2002 SCREW	BMZ30P080FTC	
D-D CON B	LOCK1			22001 0001 10	
EMICONDU	-		2001 SCREW	PMB30P060FTC	
	UIUNO	D0070/1 ///	ZUUT SUNEW	I IVIDOUT UUUT I U	
IC1321		PS2701A-1(L)			
IC1326		TA76431FR	DV I 0010 D1 0017		
Q1324		2SA1037K	[Y LOGIC BLOCK]		
Q1302		2SC4081	<u>SEMICONDUCTORS</u>		
Q1301,Q1323		2SD1898	IC2002	TC74ACT540FT	
			IC2001,IC2004	TC74ACT541FT	
Q1321,Q1325,0	Q1351	HN1C01FU	IC2003,IC2005	TC74VHC08FTS1	
D1303,D1324		1SS301	102000,102000	10/4/10/01/131	
D1304,D1307,E	D1325.D1328	1SS355	CADACITODO		
D1304,D1307,E	· ·	CRH01	<u>CAPACITORS</u>		
D1301,D1302,L	J 1020,D 1021	D1FK60	C2003	CEHAT470M16	
ואבו		אוויעט	C2001,C2002,C2004-C2006	CKSSYB104K10	
D1329,D1330		UDZS4R7(B)			
	71221	` '	<u>RESISTORS</u>		
D1306,D1323,D	וטטוע	UDZS5R1(B)	R2003,R2006	RAB4C101J	
OII	TED2		R2001,R2002,R2017,R2021	RAB4C470J	
OILS AND F			R2004,R2005,R2019,R2020	RAB4C472J	
T1301 SWITC		ATK1159	Other Resistors	RS1/16S###J	
T1321 SWITC	HING TRANS.	ATK1160	Carlor Flodiotoro	110 1/100πππο	
			OTHERS		
APACITORS	3			AL/N/4047	
C1325		ACH1428	CN2001 40P CONNECTOR	AKM1217	
C1326		CEHAT100M50			
C1302,C1321		CEHAT101M25			
C1301,C1303,0	21323	CKSRYB103K50	[Y RESONANCE BLOCK]		
			SEMICONDUCTORS		
C1304,C1306,0	J 1321	CKSRYB104K16	IC2101	AXF1145	
04007 0455		OI(O)(D1051(05	IC2141	BA10393F	
C1307,C1324		CKSYB105K25			
			Q2141	2SC4081	
ESISTORS			D2101-D2105	D1FL40	
R1337		RAB4C472J	0011 0 1115 =11 ====		
R1321,R1322,F	R1326,R1339	RS1/10S224J	COILS AND FILTERS		
VR1321	· -, :===	CCP1392	L2101,L2102 CHOKE COIL	ATH1155	
Other Resistors	3	RS1/16S###J	L2103-L2106 CHOKE COIL	ATH1193	
	D 1 ACCV		<u>CAPACITORS</u>		
IIS CLARA			C2131-C2134,C2136	ACE1178	
			C2103,C2107,C2108 (0.22UF/250V		
	<u>CTORS</u>	DF20L60U	C2103,C2107,C2108 (0.220F/250V C2104,C2106 (470P/630V)	ACG1112 ACG1126	
	<u>CTORS</u>	DI 20L000	,	ACG1126 ACG1129	
EMICONDU	<u>CTORS</u>	DI 20L000		AL 1=117U	
EMICONDU D1631		DI 20L000	C2109-C2112 (3300P/630V)		
EMICONDU D1631 APACITORS			C2109-G2112 (3300P/630V) C2101,C2145	CKSRYB105K6R3	
EMICONDU D1631		ACE1179	C2101,C2145	CKSRYB105K6R3	
EMICONDU D1631 APACITORS C1632			` ,		
EMICONDU D1631 APACITORS C1632			C2101,C2145	CKSRYB105K6R3	
APACITORS	<u>S</u>		C2101,C2145 C2141,C2143,C2144	CKSRYB105K6R3 CKSSYB104K10	
EMICONDUC D1631 APACITORS C1632 THERS	UND PLATE	ACE1179	C2101,C2145 C2141,C2143,C2144	CKSRYB105K6R3 CKSSYB104K10	
EMICONDUC D1631 APACITORS C1632 THERS KN1632 GRO CN1631 3PTC	UND PLATE	ACE1179 ANK-142	C2101,C2145 C2141,C2143,C2144	CKSRYB105K6R3 CKSSYB104K10	

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	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	RESISTORS			R2222,R2224		RS2MMF5R6J
	R2101		ACN1174	R2203		RS3LMF821J
	R2108		ACN1241	R2277-R2279,F	R2281	RS3LMF8R2J
Α	R2142,R2143		RS1/10S1003F	Other Resistors	i	RS1/16S###J
	R2103,R2107		RS1/10S104J			
	R2146,R2149		RS1/16S5601F	<u>OTHERS</u>		
					2 GROUND PLATE	ANK-142
	R2147,R2151		RS1/16S6801F	KN2354 GRO		ANK-142
	R2102		RS2MMF100J		7 GROUND PLATE	ANK-142
	Other Resistors		RS1/16S###J		3 GROUND PLATE	ANK-142
				CIN2351,CIN235	52 KR CONNECTOR	B4B-PH-K
	[Y SUS BLOCI	K 1		CN2350 9P TO	OP POST	B9B-EH
	SEMICONDUC	-				
	IC2252,IC2253	<u> </u>	AXF1144			
ь	IC2350		MM1565AF	[Y SCAN BLO	CK]	
В	IC2250		PS9117	SEMICONDU	CTORS	
	IC2231,IC2251		TND301S	IC2403,IC2405		PS9117
	IC2203,IC2221		TND307TD	IC2401	•	PS9851-2(P)
				IC2409,IC2410		PST3638UR
	Q2202		2SA2142	IC2402,IC2407		TC74ACT540FT
_	Q2250		2SC4081	D2402		CRH01
	Q2290		2SK3050			
	Q2221		2SK3325-Z	COILS AND F	<u>ILTERS</u>	
	Q2280,Q2281		2SK3399	F2401-F2404	CHIP FERRITE BEAD	ATX1059
	Doooo		100001	L2401-L2403		LFEA100J
	D2233		1SS301			
	D2213 D2203,D2212,D	10051	1SS302 1SS355	<u>CAPACITORS</u>	<u>}</u>	
С	D2203,D2212,D		CRH01	C2404,C2411		ACH1406
	D2251,D2252,D	· ·	CRH01	C2401,C2407,C	C2414	CEHAT101M10
	<i>DLLO1,DLLOL,D</i>		01.1101	C2416,C2417	20405 00400 00440	CKSRYB102K50
	D2211		D1FK60		C2405,C2408-C2410	CKSSYB104K10
	D2232,D2271		UDZS16(B)	C2412		CKSSYB104K10
_	D2250		UDZS5R6(B)	RESISTORS		
				R2407,R2421		RAB4C220J
	COILS AND F	<u>ILTERS</u>		Other Resistors		RS1/16S###J
	L2353 INDUCT		ATH1186	Other redictors		1101/100//////
	F2301-F2320 F		ATX1055	OTHERS		
	F2352 INDUCT		CTF1449	CN2401,CN240)2	AKM1200
_	L2350,L2351,L2	:354	LFEA100J	· ·	GE CONNECTOR	AKM1200
D	CAPACITORS					
	C2330,C2335,C		ACE1178			
	C2231 (0.33U/1		ACG1118	[Y VH D-D CO	N BLOCK]	
	C2271,C2272 (0		ACG1124	SEMICONDU	<u>CTORS</u>	
	C2336,C2337	2.10/1001/	ACH1424	IC2531		BA10358F
	C2270		ACH1426	IC2502		MIP2E3DMC
_				IC2503		PS2701A-1(L)
	C2226		ACH1427	IC2534,IC2535		TA76431FR
	C2203-C2206		CCG1186	Q2533		2SC2412K
	C2207		CCSRCH102J50	Q2531		2SC3425
	C2355,C2369		CEHAT101M10	Q2532		2SD2568
Ε	C2357		CEHAT470M16	Q2511		HN1C01FU
	C2208,C2221,C	2220 C2264	CEHAT470M25	D2534		1SS355
	C2356	2003,02004	CKSRYB104K16	D2522,D2524		CRH01
	C2353,C2358,C	2359	CKSRYB105K6R3	,		
	C2363	2000	CKSRYB473K16	D2523,D2532		D1FK60
	C2209,C2222,C	2230,C2252	CKSRYF104Z50	D2533		UDZS33(B)
				D2536		UDZS4R7(B)
	C2250		CKSSYB104K10	D2530,D2531		UDZS8R2(B)
	C2354,C2360		CKSYB105K25			
				COILS AND F		
	RESISTORS			⚠T2503 CONVE	ERTER TRANS.	ATK1158
	R2352		ACN1166	L2501		LFEA101J
F	R2304		ACN1174			
	R2360,R2362		ACN1178			
	R2210,R2211		RS1/10S151J			
	R2290		RS1MMF331J			
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Mark No. Description	Part No.	Mark No. Description	Part No.	
CAPACITORS		RESISTORS		
C2531	ACE1177	R2613	RAB4C472J	
C2516	ACH1360	R2641,R2642 R2629	RS1/10S224J	Α
C2532 C2513	ACH1425 ACH1428	R2625,R2626	RS1/16S1002F RS1/16S1501F	^
C2520	CEHAT101M16	R2608,R2612,R2630,R2632,R2635	RS1/16S4701F	
C2515	CEHAT101M25	R2618	RS1/16S4702F	
C2528	CEHAT221M16	R2636	RS1/16S5601F	
C2514,C2525,C2534	CKSRYB104K16	R2652	RS1/16S6801F	
C2521,C2533,C2535	CKSRYB104K25	R2627 VR2601	RS3LMF151J CCP1390	_
<u>RESISTORS</u>				
R2553	RAB4C472J	Other Resistors	RS1/16S###J	
R2558	RS1/10S0R0J			
R2533,R2556	RS1/10S104J			В
R2534,R2535,R2541	RS1/10S2203F	HD DIGITAL ASSY		
R2548	RS1/16S1003F			
R2550	RS1/16S1802F	[TMDS RX BLOCK]		
R2549,R2557	RS1/16S4702F	<u>SEMICONDUCTORS</u>		
R2542,R2545	RS1/16S5601F	IC3002	BA8274F	
VR2503	CCP1390	IC3001	SII1169CTU	ī
VR2531	CCP1392	IC3004	SN74AHC32PW	
		Q3009	2SC4081 DTA143EUA	
Other Resistors	RS1/16S###J	Q3007	DIA 143EUA	
		Q3004	DTC124EUA	
[Y D-D CON BLOCK]		Q3005	DTC143EUA	
		Q3002,Q3006,Q3008	RN1901	С
SEMICONDUCTORS	DA400505	Q3003	RN2901	
IC2602 IC2601,IC2603,IC2606	BA10358F PS2701A-1(L)	D3001,D3002	1SS355	
IC2605,IC2614	TA76431FR	D0010	DAGGALL	
Q2610	2SA1163	D3012 D3007-D3011	DA204U RB751V-40	
Q2601,Q2609	2SA1576A	D3003	UDZS6R8(B)	
Q2608	2SA2005	COILS AND FILTERS		-
Q2607	2SC2713	F3005 CHIP SOLID INDUCTOR	QTL1011	
Q2612	2SC4081	L3003 CHIP SOLID INDUCTOR	QTL1011	
Q2605,Q2606	2SD1898	20000 OF III COLID INDOCTOR	QTETOTO	
Q2603,Q2604,Q2611	DTC143EUA	<u>CAPACITORS</u>		D
Q2602,Q2613,Q2641	HN1C01FU	C3030	ACH1357	_
D2611	1SS226	C3034,C3036,C3038,C3040,C3042	ACH1396	
D2604,D2612	1SS301	C3003,C3005,C3009,C3014,C3019 C3046	CCSRCH331J50 CCSRCH470J50	
D2602,D2613-D2615	1SS355	C3040 C3044,C3045	CCSSCH101J50	
D2601,D2603,D2609,D2618	CRH01			-
D2610	D1FL40	C3001,C3008,C3011,C3020,C3022	CCSSCH820J50	
D2617	UDZS15(B)	C3025-C3027	CCSSCH820J50	
D2607,D2608	UDZS4R7(B)	C3018,C3021,C3023,C3024 C3015-C3017,C3028,C3029	CKSRYF105Z10 CKSSYF104Z16	
D2605	UDZS5R1(B)	C3031,C3032,C3035,C3037,C3039	CKSSYF104Z16	
D2616	UDZS5R6(B)			
COILS AND FILTERS		C3041,C3043	CKSSYF104Z16	E
↑ T2602 CONVERTER TRANS.	ATK1156	RESISTORS		
⚠ T2601 SWITCHING TRANS.	ATK1161	R3007	RAB4C220J	
CARACITORS		R3008-R3013	RAB4C470J	
CAPACITORS	OFLIATIONANOS	R3018	RAB4C472J	
C2608,C2610 C2613	CEHAT101M25 CEHAT221M25	R3021	RS1/16S3900F	Ī
C2613 C2606	CEHAT221M25 CEHAT221M6R3	Other Resistors	RS1/16S###J	
C2607	CKSRYB102K50	OTUEDO		
C2605,C2612,C2614	CKSRYB103K50	OTHERS	A1/A4:0==	
•		CN3003 PH CONNECTOR 6P	AKM1277	
C2601,C2604,C2609	CKSRYB104K16	CN3004 PH CONNECTOR 12P	AKM1298	
C2602,C2615	CKSRYB105K6R3	JA3001 DVI CONNECTOR JA3002 MDR CONNECTOR	AKP1276 AKP1277	F
C2603	CKSRYF104Z50	JASUUZ IVIDA CUNNECTUR	ANT IZ//	•
C2611	CKSSYB104K10			
		PDP-436PE		37
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Mark No. Description	Part No.	Mark No. Description	Part No.
	<u></u>		
[MODULE UCOM BLOCK]		CAPACITORS	
<u>SEMICONDUCTORS</u>		C3402,C3419 (100UF/6.3V)	ACH1396
IC3156	BR24L04FJ-W	C3425,C3441 (100UF/6.3V)	ACH1396
IC3151	M30620FCPGP-U5C	C3414-C3416,C3426-C3438	CKSRYF105Z10
IC3157	M62334FP	C3403-C3410,C3412,C3413	CKSSYF104Z16
IC3158	MM1522XU	C3417,C3418,C3420-C3424	CKSSYF104Z16
IC3155	SN74AHC08PW		
		C3439,C3440,C3442-C3449	CKSSYF104Z16
IC3152,IC3153	SN74AHC541PW		
IC3160	TC74VHC123AFTS1	<u>RESISTORS</u>	
IC3159	TC7W126FU	R3402,R3412	RAB4C101J
Q3151	2SJ461A	R3405-R3407,R3409,R3410	RAB4C220J
D3156,D3159,D3161-D3163	1SS355	R3416,R3417	RAB4C220J
20100,20100,20101 20100	100000	R3425	RS1/16S5601F
D3151,D3152,D3154,D3155,D3158	DAN202U	Other Resistors	RS1/16S###J
D0101,D0102,D0104,D0100,D0100	D/ (142020	Curor redictors	1101/100111110
CAPACITORS			
•	AOLI4057	[ADDRESS BLOCK]	
C3151	ACH1357		
C3164	CCSSCH101J50	<u>SEMICONDUCTORS</u>	
C3171,C3172,C3180	CKSRYB105K6R3	D3501,D3502	DAN202U
C3154	CKSSYB102K50		
C3152,C3153,C3155-C3158	CKSSYF104Z16	<u>CAPACITORS</u>	
00100 00100 00100		C3501-C3504	CKSSYB102K50
C3160-C3163,C3165,C3166,C3170	CKSSYF104Z16		
		RESISTORS	
RESISTORS		R3521,R3522,R3525	RAB4C101J
R3160,R3171,R3176	RAB4C101J	R3524	RAB4C222J
R3174	RAB4C103J		
Other Resistors	RS1/16S###J	R3519,R3520	RAB4C472J
		Other Resistors	RS1/16S###J
OTHERS		071170	
⚠X3151 CERAMIC RESONATOR	ASS1178	<u>OTHERS</u>	
EX3131 CENAMIC RESONATOR	A331176	CN3501-CN3504 40P CONNECTOR	
		CN3506 40P CONNECTOR	AKM1217
IDANIEL EL AGUEDI GOIGI		CN3505 18P FFC CONNECTOR	VKN1310
[PANEL FLASH BLOCK]			
<u>SEMICONDUCTORS</u>			
IC3301	MBM29PL160TD75TN	[DIGITAL DD CON BLOCK]	
IC3304	PST3610UR	CAPACITORS	
IC3302,IC3305	PST3628UR		OKCOVE104710
IC3303	SN74AHC08PW	C3609	CKSSYF104Z16
Q3302	HN1C01FU	DEGICTORO	
		<u>RESISTORS</u>	
Q3301	RN1901	R3611	RAB4C101J
4000.		Other Resistors	RS1/16S###J
CAPACITORS			
C3311	CCSBCH470 I50		
	CCSRCH470J50		
C3317	CCSRCH471J50	HD LED ASSY	
C3304,C3307,C3309	CKSRYB472K50	SEMICONDUCTORS	
C3305,C3310	CKSSYB102K50		CMI 044LIT
C3315	CKSSYB104K10	D1671	SML-311UT
00004 00000 00000 00000 00045	OKOOVE104740	D1672	SML512BC4T
C3301-C3303,C3306,C3308,C3316	CKSSYF104Z16	0011 0 4115	
DEGICTORS		COILS AND FILTERS	
<u>RESISTORS</u>		♠ F1671-F1673 CHIP SOLID INDUCTOR	R QTL1011
All Resistors	RS1/16S###J		
<u>OTHERS</u>			
∴X3302 CRYSTAL OSCILLATOR	ASS1188	HD IR ASSY	
		<u>SEMICONDUCTORS</u>	0004440
[SQ ASIC BLOCK]		Q1681	2SC4116
		D1681	DA204U
SEMICONDUCTORS			
IC3401	PEG122C	<u>CAPACITORS</u>	
		C1681	CEVW470M6R3
COILS AND FILTERS		C1682	CKSRYB103K50
F3401,F3402 EMI FILTER	CCG1162	C1683	CKSSYB102K50
L3401-L3403 CHIP SOLID INDUCTOR		C1684	CKSSYF104Z16
			3.122
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Mark No.	Descrip	<u>otion</u>	Part No.	Mark No.		Descripti	<u>ion</u>	Part No.
RESISTOR	<u>S</u>			[STTERM		_		
All Resistors	3		RS1/16S###J	COILS AN				
OTHERS				⚠ L3901,L39	902 LIN	IE FILTER		ATF1206
	P L TYPE PLUG		KM200NA3L	CAPACIT	ORS			
V1681 REI	MOTE RECEIVE	RUNIT	RPM7240-H4	⚠ C3906,C3	908,C3	914,C3916		CCSRCH101J50
				C3903,C3 C3904,C3				CKSRYB332K50 CKSRYF473Z50
				03904,03	912			ORSH11 473230
HD AUDIO	O ASSY			RESISTO				
OTHERS		_	ADV0100	R3901-R3	3904			RD1/2MMF100J
J3901 IP I	BOARD IN WIRE	=	ADX3123	OTHERS				
				JA3901 S	SPEAKE	ER TERMINA	AL	AKE1061
[AUDIO AM								
SEMICONE IC3754	JUC TURS		BR24L02FJ-W					
IC3751			LA4625	POWER		_		
IC3752 IC3753			NJM7809FA NJW1183L	POWER SUF	PPLY Ur	nit has no ser	vice part.	
	54,Q3755,Q3757	7	2SA1576A					
02756 027	50		2SC4081					
Q3756,Q37 Q3758,Q37			DTC124EUA					
CAPACITO C3797 C380	<u>HS</u> 08,C3812,C3814	L	CEAT1R0M50					
	77,C3788,C3790		CEHAT100M50					
C3799	04 00700 00700	,	CEHAT100M50					
	64,C3786,C3798 80,C3783-C3785		CEHAT101M16 CEHAT1R0M50					
	,		051147000450					
C3762 C3752.C37	53,C3819,C3820)	CEHAT220M50 CEHAT2R2M50					
C3759	30,000.0,000_0		CEHAT331M16					
C3757			CEHAT471M25					
C3755			CEHAT472M25					
C3763			CEHATR47M50					
C3754,C380	05 70,C3772-C3774	1	CFTLA103J50 CFTLA104J50					
	82,C3789,C3792		CFTLA104J50					
C3806,C380	07,C3813		CFTLA104J50					
C3778			CFTLA334J50					
C3758,C376	•		CKSRYB103K50					
C3769,C38 ⁻ C3810	15		CKSRYB222K50 CKSRYB223K50					
C3779			CKSRYB822K50					
C3816			CKSRYF104Z16					
			JAJIII 104210					
RESISTOR			DD4/61415555					
R3768-R37 R3752	70,H3782		RD1/2MMF2R2J RD1/2MMF4R7J					
Other Resis	tors		RS1/16S###J					
OTHERS								
	2P PH CONNEC	TOR	AKM1335					
	IO HEATSINK		ANH1636					
CN3751 3F 3772-3775	P TOP POST (VI SCREW	⊣)	B3P-VH VBB30P100FNI					
	RAPPING TERM	ЛINAL	VNF1084					
KN12752 W	IDADDINIC TEDA	AINIAI	VNE1094					
NN3/52 W	RAPPING TERN	VIIINAL	VNF1084					

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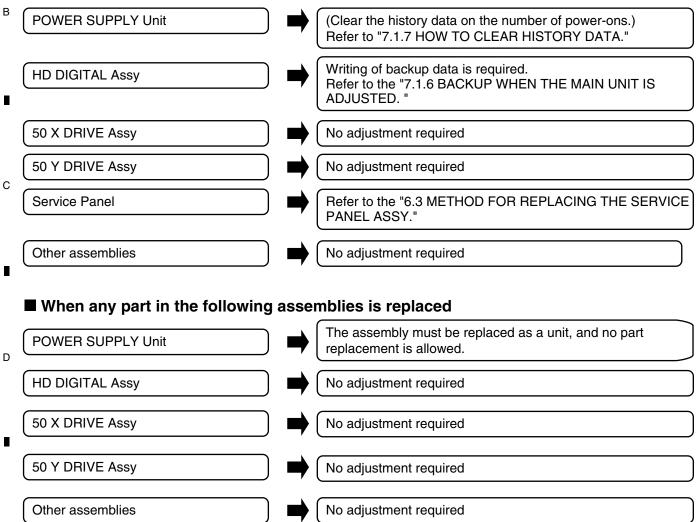
6. ADJUSTMENT



- 1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. If the adjustment is shifted or if it becomes necessary to readjust because of part replacement, etc., perform the adjustment as described below.
- 2. Any value changed in Service/Factory mode will be stored in memory as soon as it is changed. Before readjustment, take note of the original values for reference in case you need to restore the original settings.
- 3. Use a stable AC power supply.

6.1 ADJUSTMENT REQUIRED WHEN THE SET IS REPAIRED OR REPLACED

■ When any of the following assemblies is replaced



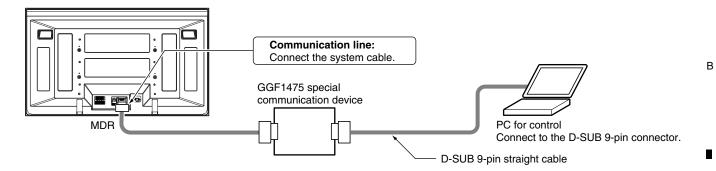
40

• The panel control items for the PDP-506PE, PU / PDP-436PE, PU systems can be controlled with the RS-232C commands by connecting a PC through the GGF1475 special communication device when the Media Receiver is not connected with the PDP.

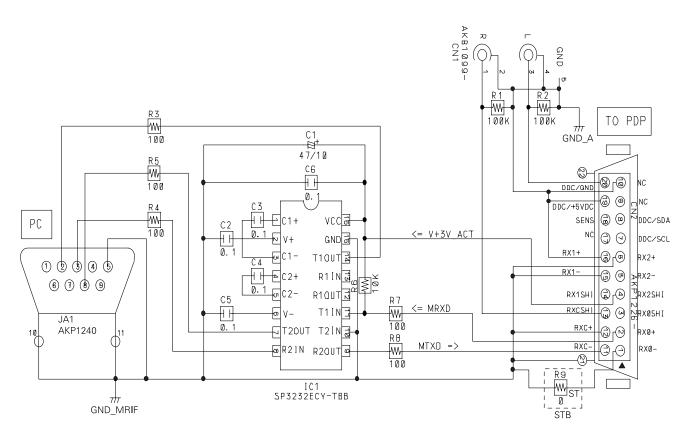
Note: The special communication device for the PDP-503P cannot be used with this unit, because the control lines within the MDR cable are different.

1. Connection

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• Schematic diagram of the special communication device



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2. Command format

■ Communication protocol

Start bit : 1bit
Data : 8bit
Parity : 0 (none)
Stop bit : 1bit
Baud rate : 38400bps

■ Start and stop conditions

STX (start condition): 0x02 ETX (stop condition): 0x03

■ ID setting

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No ID setting (corresponding to all ASCII codes)

■ Acknowledgement (ACK)

- Acknowledgement (ACK) will be sent back when the unit returns to Standby mode for the next command after the process of the received command is finished.
- The return data will be a received command in capital letters, but without an ID.

Example of communication: For a command listed on the command list

MR / External PC

STX	ID	Command	ETX
0x02	**	CBU	0x03



STX	Command	ETX
0x02	CBU	0x03

Returns from the PDP

• If a received command is not one listed on the command list, "ERR" (3 characters) will be sent back.

Example of communication: For a command that is not listed on the command list

MR / External PC

STX	ID	Command	ETX
0x02	**	AAA	0x03



STX	Command	ETX
0x02	ERR	0x03

Returns from the PDP

• If the operation of a received command is not possible in a certain status, "XXX" (3 characters) will be sent back.

Example of communication: If an adjustment command that gives an adjustment value out of the adjustable range is sent

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ЕТХ
0x02	**	VOL	128	0x03



STX	Command	ETX
0x02	XXX	0x03

Returns from the PDP

3

■ Error process

If an error is generated between STX and ETX, a return signal will not be issued.

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3. Definition of various commands

■ Simple-function command

A simple-function command orders an operation that will conclude by itself, and it consists of 3 characters.

Example of communication:

MR / External PC

STX	ID	Command	ETX
0x02	**	CPD	0x03



Returns from the PDP

STX	Command	ETX
0x02	CPD	0x03

■ Adjustment command and adjustment value

An adjustment command is accompanied by an adjustment value and orders a change in the adjustment value, such as for the contrast adjustment.

- Adjustment command + adjustment value => The attached parameter will be the adjustment value.
- The adjustment value to be attached to an adjustment command consists of 3 characters in decimal, in the range of 000 to 999.

Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ETX
0x02	**	CNT	128	0x03



STX	Adjustment Command	Adjustment Value	ЕТХ
0x02	CNT	128	0x03

Returns from the PDP

- If the adjustment value of the received command is out of the adjustable range, "XXX" will be sent back, and the adjustment value will not be changed.
- If the adjustment value of the received command is the same as the current adjustment value, the adjustment value will be overwritten, and "XXX" will not be sent back.

■ Setup command and setup value

A setup command is accompanied by a setup value and orders a change in the setup value, such as for the mask setup.

- Setup command + setup value => The attached parameter will be the setup value.
- The setup value to be attached to a setup command consists of 3 characters in decimal, in the range of S00 to S99.

Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ETX
0x02	**	MKS	S02	0x03



Returns from the PDP

STX	Adjustment Command	Adjustment Value	ETX	
0x02	MKS	S02	0x03	

- If the setup value of the received command is out of the range, "XXX" will be sent back, and the setup value will not be changed.
- If the setup value of the received command is the same as the current setup value, the setup value will be overwritten, and "XXX" will not be sent back.

■ QUEST (acquiring status) command

If a QUEST command is received from the main unit's microcomputer, data for various adjustment values will be read from memory and sent back. The return data consist of the received command as an echo back, return data, and a checksum.

- Return data: A string of characters defined for each QUEST command is converted into ASCII codes and transmitted.
- The configuration and the data length of return data are defined for individual QUEST commands.

Example of communication:

MR / External PC

ID

**

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STX

0x02



Returns from the PDP

STX	QST Command	Return Data	Checksum	ЕТХ
0x02	QS1	54AHM2**	7B	0x03

• Checksum (CS): A checksum is used for judging if any error exists in the data sent back from the panel. If an error is detected, it is possible to resend the QUEST command from the MR / External PC to try to acquire data again.

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QST

Command

QS₁

ETX

0x03

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4. RS-232C command for module microcomputer

	mand me		Function	Effective only in Factory mode	Remarks
Α					
ABL	***	ABL ADJUSTMENT	Adjusting the upper limit of the power	0	
AMT	S00	AUDIO MUTE OFF	Turning off the audio muting		
	S01	AUDIO MUTE ON	Turning on the audio muting		
APW	S00	APL WB FUNCTION:OFF	WB correction interlocked with APL: OFF	0	
	S01	APL WB FUNCTION:ON	WB correction interlocked with APL: ON	0	
В					
BAL	***	BALANCE ADJUSTMENT	Audio balance adjustment		
BAS	***	BASS ADJUSTMENT	Audio bass adjustment		
ВСР		BACKUP COPY	Copying the backup data in the EEPROM	0	
С			copying the sacrap data in the EE. Hell		
CBU		CLEAR BACKUP	Clearing backup data	0	
СНМ		CLEAR HOUR METER	Clearing data of the hour meter	0	Used only when the panel is replace
CPC		CLEAR POWER ON COUNT		0	
CPD		CLEAR POWER DOWN	Clearing power-on count data		Used only when the power unit is replace. Used only when the panel is replace.
			Clearing power-down information	0	, , ,
CPM		CLEAR PLUSE METER	Clearing data of the pulse meter	0	Used only when the panel is replace
CSD		CLEAR SHUT DOWN	Clearing shutdown information	0	Used only when the panel is replace
D DRV		DD11/F 0.FF			
אחט	S00	DRIVE OFF	Main power off		
	S01	DRIVE ON	Main power on		
E					
ESV	S00	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve		
	S01	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve		
	S02	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve		
	S10	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve (domestic)		
	S11	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve (domestic)		
	S12	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve (domestic)		
F					
FAJ		FINISH ADJUSTMENT	Determining the flag of the HD DIGITAL Assy adjustment in "adjustment is completed"	0	
FAN		FACTRY NO		0	
FAY		FACTRY YES	Entering Factory mode		Turning the mask setting of
FCS	S00	FOCUS OFF	Turning the FOCUS function off		
	S01	FOCUS ON	Turning the FOCUS function on		
М					
MKC	S00	MASK COMBINATION OFF	MASK off		
	S01	MASK COMBINATION 01	H ramp (slant 1) M	0	
	S02	MASK COMBINATION 02	H ramp (slant 4) M	0	
	S03	MASK COMBINATION 03	Slanting ramp M	0	
	S04	MASK COMBINATION 04	30 for aging	0	
	S05	MASK COMBINATION 05	05 for aging	0	
}	S06	MASK COMBINATION 06	Erasing afterimage 1	0	
ŀ	S07	MASK COMBINATION 07	Erasing afterimage 2 (RGB: zigzag, V: reverse)	0	
ŀ	S08	MASK COMBINATION 08	White (change in luminance level)	0	
ŀ	S09	MASK COMBINATION 09	PEAK SEEK RASTER	0	
MKS	S00	MASK SINGLE OFF	MASK OFF		
-	S01	MASK SINGLE OFF		0	
}			H ramp (slant 1)		
-	S02	MASK SINGLE 2	H ramp (slant 4)	0	
-	S03	MASK SINGLE 3	V ramp (slant 1)	0	
	S04	MASK SINGLE 4	Slanting ramp	0	

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	MASK SINGLI	E 6	Window(Hi=870Lo=102) Window(Hi=1023Lo=102) Window(Hi=1023) Window(Hi=1023)4% Window(Hi=1023)1.25% Window(1/TLINE) STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines Red & black, checker (1 line)		
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	MASK SINGLE	E 7 E 8 E 9 E 10 E 11 E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	Window(Hi=1023) Window(Hi=1023)4% Window(Hi=1023)1.25% Window(1/7LINE) STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines		
\$	MASK SINGLE	E 8 E 9 E 10 E 11 E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	Window(Hi=1023)4% Window(Hi=1023)1.25% Window(1/7LINE) STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines		
\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	MASK SINGLE	E 9 E 10 E 11 E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	Window(Hi=1023)1.25% Window(1/7LINE) STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines		
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	S10 MASK SINGLE S11 MASK SINGLE S12 MASK SINGLE S13 MASK SINGLE S14 MASK SINGLE S15 MASK SINGLE S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 10 E 11 E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	Window(1/7LINE) STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines		
	S11 MASK SINGLE S12 MASK SINGLE S13 MASK SINGLE S14 MASK SINGLE S15 MASK SINGLE S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 11 E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	STRIPE(MGT/GRN) STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0 0 0 0 0	
	MASK SINGLE	E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0 0 0 0	
\$ \$ \$ \$ \$	S13 MASK SINGLE S14 MASK SINGLE S15 MASK SINGLE S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 12 E 13 E 14 E 15 E 16 E 17 E 18 E 19 E 20	STRIPE(GRN/MGT) B & W, checker (1 line) B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0 0 0 0	
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	S14 MASK SINGLI S15 MASK SINGLI S16 MASK SINGLI S17 MASK SINGLI S18 MASK SINGLI S19 MASK SINGLI S20 MASK SINGLI S21 MASK SINGLI S22 MASK SINGLI	E 14 E 15 E 16 E 17 E 18 E 19 E 20	B & W, checker (2 lines) B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0 0	
\$ \$ \$ \$	S15 MASK SINGLE S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 15 E 16 E 17 E 18 E 19 E 20	B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0 0	
\$ \$ \$	S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 15 E 16 E 17 E 18 E 19 E 20	B & W, checker (4 lines) B & W, checker (8 lines) COLOR BAR Slanting lines	0 0	
\$ \$ \$	S16 MASK SINGLE S17 MASK SINGLE S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 16 E 17 E 18 E 19 E 20	B & W, checker (8 lines) COLOR BAR Slanting lines	0 0	
S	S17 MASK SINGLI S18 MASK SINGLI S19 MASK SINGLI S20 MASK SINGLI S21 MASK SINGLI S22 MASK SINGLI	E 17 E 18 E 19 E 20	COLOR BAR Slanting lines	0	_
S	S18 MASK SINGLE S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 18 E 19 E 20	Slanting lines	0	
S	S19 MASK SINGLE S20 MASK SINGLE S21 MASK SINGLE S22 MASK SINGLE	E 19			
S	S20 MASK SINGLI S21 MASK SINGLI S22 MASK SINGLI	= 20	neu & black, checker (1 line)		
-	S21 MASK SINGLE S22 MASK SINGLE		Pod & black obooker (2 lines)	0	
5	S22 MASK SINGLI	_ < 1	Red & black, checker (2 lines)	0	
1 0			Red & black, checker (4 ines)		
	S23 MASK SINGLI		Red & black, checker (8 lines)	0	
			RGB zigzag, V reverse	0	
_	S24 MASK SINGLE		SUS 2000 pulses (black raster)	0	
	S25 MASK SINGLE		Window(Hi=870Lo=102) PATTAN3	0	
S	S26 MASK SINGLE	E 26	Window(Hi=1023Lo=102) PATTAN3	0	
S	S27 MASK SINGLE	Ē 27	Window(Hi=1023) Pattern 3	0	
S	S28 MASK SINGLI	E 28	Window(Hi=1023)4% Pattern 3	0	
S	S29 MASK SINGLI	Ē 29	Window(Hi=1023)1.25% Pattern 3	0	
S	S30 MASK SINGLE	∃ 30	Window(1/7LINE) Pattern 3	0	
S	S51 MASK SINGLE	51	Raster - White	0	
S	S52 MASK SINGLE	52	Raster - Red	0	
S	S53 MASK SINGLE	Ē 53	Raster - Green	0	
S	S54 MASK SINGLE	Ē 54	Raster - Blue	0	
S	S55 MASK SINGLE	E 55	Raster - Black	0	
S	S56 MASK SINGLE	E 56	Raster - Cyan	0	
S	S57 MASK SINGLE	Ē 57	Raster - Magenta	0	
S	S58 MASK SINGLI	≣ 58	Raster - Yellow	0	
S	S59 MASK SINGLI	5 9	Raster - Cyan 460 :W	0	
S	S60 MASK SINGLE	E 60	Raster - Green 774 :W	0	
s	S61 MASK SINGLE	E 61	Raster - Gray 912 :W	0	
s	S62 MASK SINGLE	E 62	Raster - Yellow egg color: W	0	
s	S63 MASK SINGLE		Raster - Beige: W	0	
	S64 MASK SINGLE		Raster - Sky color: W	0	
	S65 MASK SINGLE		Raster - Pale purple: W	0	
	S66 MASK SINGLE		Raster - Magenta 54 :W	0	
	S67 MASK SINGLE		Raster - Red 588	0	
	S68 MASK SINGLE		Red 1023 + α	0	
	S69 MASK SINGLE		Green 1023 + α	0	
	S70 MASK SINGLE		Blue 1023 + α	0	
	S71 MASK SINGLE		Red 588 + α	0	
	S72 MASK SINGLI		Green 588 + α Blue 588 + α	0	

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1	mand ime		Function	Effective only in Factory mode	Remarks
MKS	S74	MASK SINGLE 74	Raster -Gray 512 (reservation)	0	
Р					
PAV	S**	PANEL AV MODE	Switching panel functions interlocked with the AV selection		
РВН	***	PANEL BLUE HIGH	Panel white balance adjustment - Blue highlight	0	
PBL	***	PANEL BLUE LOW	Panel white balance adjustment - Blue low light	0	
PDM	S00	PD MUTE OFF	Passing PD signals to the Power SUPPLY Unit => Power-down		
	S01	PD MUTE ON	Not passing PD signals to the Power SUPPLY Unit => No power-down		
PFN		FACTORY NO	Factory mode: off	0	
PFS		PANEL FINAL SETUP	Setup at shipment	0	
PFY		FACTORY YES	Factory mode: on		
PGH	***	PANEL GREEN HIGH	Panel white balance adjustment - Green highlight	0	
PGL	***	PANEL GREEN LOW	Panel white balance adjustment - Green low light	0	
PGM	S**	PANEL GAMMA	Setting of the gamma table		
PMT	S00	MUTE OFF	Canceling panel muting		
	S01	MUTE ON	Panel muting		
POF		POWER OFF	Power off		
PON		POWER ON	Power on		
PPT	S00	PANEL PROTECT OFF	Panel protection: off	0	
	S01	PANEL PROTECT ON	Panel protection: on	0	
PUC	S00	PUER CINEMA:OFF	Pure cinema: off		
	S01	PUER CINEMA:STD	Pure cinema: standard		
	S02	PUER CINEMA:ADV	Pure cinema: advanced		
Q					
QAJ		QUEST ADJUSTMENT	Acquiring various adjustment values		
QIP		QUEST PANEL INFORMATION	Acquiring various input signal data		
QPD		QUEST POWER-DOWN	Acquiring logs of power-down points		
QPM		QUEST PULSE METER	Acquiring data of the pulse meter		
QPW		QUEST PANEL WHITE BALANCE	Acquiring panel white balance adjustment values		
QS1		QUEST STATUS 1	Acquiring data on the unit, such as the version of the program		
QS2		QUEST STATUS 2	Acquiring data on the status of the unit, such as temperature		
QSD		QUEST SHUT DOWN	Acquiring data on shutdown		
QSI		QUEST SIGNAL INFORMATION	Acquiring data related with signals		
R			7 toquining data rotatod mar olgrado		
RBL	S**	PANEL REVISE BLUE LEVEL	Setting of blue level for panel degradation correction	0	
RGL	S**	PANEL REVISE GREEN LEVEL	Setting of green level for panel degradation correction	0	
RHI	***	RED HIGH	User white balance - Red highlight	-	
RLW	***	RED LOW	User white balance - Red low light		
RRL	S**	PANEL REVISE RED LEVEL	Setting of red level for panel degradation correction	0	
RSW	***	XY-RST-W ADJ	Adjustment of the width of XY reset pulse	0	
S		-	,	-	
SDM	S00	SD MUTE OFF	Shutdown enabled		
	S01	SD MUTE ON	Shutdown prohibited		
SFR	S01	SUS FREQUENCY MODE1	Measures against AM radio noise - Pattern 1	0	
	S02	SUS FREQUENCY MODE2	Measures against AM radio noise - Pattern 2	0	
	S03	SUS FREQUENCY MODE3	Measures against AM radio noise - Pattern 3	0	
	S04	SUS FREQUENCY MODE4	Measures against AM radio noise - Pattern 4	0	
	S05	SUS FREQUENCY MODE5	Measures against AM radio noise - Pattern 5	0	
	S06	SUS FREQUENCY MODE6	Measures against AM radio noise - Pattern 6	0	
	S07	SUS FREQUENCY MODE7	Measures against AM radio noise - Pattern 7	0	
ш			INVESTIGES AGAINST ANY TAUTO HOISE - 1 ALLETTY	ı Ü	

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Command Name			Function	Effective only in Factory mode	Remarks
SFR	S08	SUS FREQUENCY MODE8	Measures against AM radio noise - Pattern 8	0	
SMM	S**	SIDE MASK MODE	Setting of the effective area during streaking correction	0	
SN0	***	SERIAL NO 0	Setting of the serial No. 0 (panel)	0	
SN1	***	SERIAL NO 1	Setting of the serial No. 1 (panel)	0	
SN2	***	SERIAL NO 2	Setting of the serial No. 2 (panel)	0	
SN3	***	SERIAL NO 3	Setting of the serial No. 3 (panel)	0	
SN4	***	SERIAL NO 4	Setting of the serial No. 4 (panel)	0	
SRS	S00	SRS OFF	SRS function: off		
	S01	SRS ON	SRS function: on		
SYS	S00	SYSTEM CABLE NO	Prohibiting monitoring of cable disconnection detection		
	S01	SYSTEM CABLE YES	Permitting monitoring of cable disconnection detection		
Т			Ç Ç		
TBS	S00	TRUBASS OFF	TruBass function: off		
	S01	TRUBASS ON	TruBass function: on		
TRE	***	TREBLE ADJUSTMENT	Audio treble adjustment		
U			,		
UAJ		UN-ADJUSTMENT	Determining the flag for the HD DIGITAL Assy adjustment in "not adjusted"	0	
٧				_	
VFQ	S01	FREQENCY VIDEO 48Hz	Setting the frequency in Mask mode to VD-48 Hz	0	
		FREQENCY VIDEO 50Hz	Setting the frequency in Mask mode to VD-50 Hz	0	
	S03	FREQENCY VIDEO 60Hz	Setting the frequency in Mask mode to VD-60 Hz	0	
	S05	FREQENCY THEATER 72Hz	Setting the frequency in Mask mode to VD-72 Hz	0	
	S06	FREQENCY 75Hz	Setting the frequency in Mask mode to VD-75 Hz	0	
	S13	FREQENCY PC 60Hz	Setting the frequency in Mask mode to PC-60 Hz	0	
	S14	FREQENCY PC 70Hz	Setting the frequency in Mask mode to PC-70 Hz	0	
			Setting the frequency in Mask mode to VD-50 Hz (nonstandard)	0	
	S23	FREQENCY VIDEO 60Hz NONSTD	Setting the frequency in Mask mode to VD-60 Hz (nonstandard)	0	
	S25		Setting the frequency in Mask mode to VD-72 Hz (nonstandard)	0	
	S26	FREQENCY VIDEO 75Hz NONSTD	Setting the frequency in Mask mode to VD-75 Hz (nonstandard)	0	
VOF	***	Vofs ADJUSTMENT	Adjustment of the reference value of Vofs voltage	0	
VOL	***	VOLUME	Audio volume adjustment	<u> </u>	
VRP	***	Vrp ADJUSTMENT	Adjustment of the reference value of Vrst-p voltage	0	
VSU	***	Vsus ADJUSTMENT	Adjustment of the reference value of Vsus voltage	0	
w	4.4.4	VSUS ADJUGITALITY	Adjustment of the reference value of vsus voltage	O	
WBI	S00	WB INITIALIZE NO	Panel WB standard output mode: off	0	
WBI	S01	WB INITIALIZE NO	Panel WB standard output mode: on	0	
	301	AND IMITIATIVE LES	ranei vvo stanuaru output moue: on	0	
X	alle alle alle	V CHC B AD I	V CLIC D AD I		
XSB	***	X-SUS-B ADJ	X-SUS-B ADJ	0	
Υ		V 0110 D 4 D 1	V 01/0 D 1 D 1		
YSB	***	Y-SUS-B ADJ	Y-SUS-B ADJ	0	
YTG	***	Y-SUSTAIL ADJ	Y-SUSTAIL ADJ	0	
YTW	***	Y-SUSTAIL W AJD	Y-SUSTAIL W AJD	0	

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5. QUEST commands (for acquiring status)

With a QUEST command, data on STBY/ON, PD, and SD can be obtained while the unit is on.

■ Acquisition of panel statuses • • • [QS1]

The command QS1 is for acquiring data necessary for authentication of both the main unit's microcomputer and the module's microcomputer.

Command Format	Effective Operation Modes	Function	Remarks
[QS1]	All operations	To acquire data on product status	Return data: 3 (ECO)+43(DATA)+2(CS)=48Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS1
1	Resolution/size	1Byte	5
2	Generation	1Byte	6
3	Destination	1Byte	*
4	Grade	1Byte	*
5	Product type	1Byte	S
6	MDUcom-Boot	3Byte	01A
7	MDUcom-PRG	8Byte	001SM "space × 3"
8	SEQUENCE PROCESSOR-Boot	3Byte	01A
9	SEQUENCE PROCESSOR-Boot	8Byte	001AM "space × 3"
10	SQ-VIDEO(43/42)	4Byte	001X
11	SQ-PC(43/42)	4Byte	001X
12	SQ-VIDEO(50/61)	4Byte	001W
13	SQ-PC(50/61)	4Byte	001W
cs		2Byte	7B

• Res	solution/size
4	1024*768-43
5	1280*768-50

● Generation		
G6		

1	Destination		
	*	Common	

● Grade		
*	Common	

MDUcom/SEQUENCE PROCESSOR-Boot • • • 3Byte		
1st character 2nd character		Representing the boot version in 2-digit decimal
	Х	When the boot version is only for 43
	W	When the boot version is only for 50

● Product type		
S	System model	

● MDUcom/s	SEQUE	NCE PROCESSOR-PRG • • • 8Byte	
1st character	1	For a mass-production product	
2nd character		For representing the version in 2-digit	
3rd character		decimal	
4th character	Α	When the program is common to 43/50 (for SEQUENCE PROCESSOR)	
	S	When the program is only for another unit (for MDUcom)	
5th character	М	Fixed	
6th character		Reservation	
7th character		Reservation	
8th character		Reservation	

SEQUENCE-Data • • • 8Byte		
1st - 3rd characters	Num	For representing the version in 3-digit decimal
4th character	W	When the sequence data are only for 50
	Х	When the sequence data are only for 43

• For the version indication, the bytes reserved for special use must be replaced with spaces if they are not used.

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■ Acquisition of panel operation data • • • [QS2]

The command QS2 is for acquiring data on the panel's operations. Basically, this command is used for the module's microcomputer to inform the main unit's microcomputer of changes in panel operation.

Command Format	Effective Operation Modes	Function	Remarks
[QS2]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+23(DATA)+2(CS)=28Byte

_			
	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS2
1	Notification of mode shifting to STB	1Byte	1
2	Flag for adjustment of the main unit	1Byte	0
3	Flag for adjustment-data backup	1Byte	0
4	"1st PD" data	1Byte	0
5	"2nd PD" data	1Byte	0
6	Reservation	3Byte	***
7	Temperature data (TEMP 1)	3Byte	128
8	SD main data	1Byte	0
9	SD subdata	1Byte	0
10	Operation status induced by SD	1Byte	0
11	Data from the hour meter	8Byte	00000259
12	MASK indication	1Byte	0
cs		2Byte	4A

Note: "00000259" of "Data from the hour meter" means 2 hours 59 minuts.

 Notification of mode shifting to Standby 		
0	Entering Standby mode failed	
1	Entering Standby mode succeeded	

Adjustment of the main unit		
0	Adjustment completed	
1	Adjustment not completed	

Adjustment-data backup	
0	With backup data
1	No data

• PD	● PD data		
0	No PD data		
1	Not used		
2	POWER		
3	SCAN		
4	SCN-5V		
5	Not used		
6	Y-DCDC		
7	Y-SUS		
8	ADRS		
9	X-DRV		
Α	X-DCDC		
В	X-SUS		
С	Not used		
D	SQ-IC		
Е	Not used		
F	Specification inability		

● SD main data		
0	No SD	
1	SQ-IC	
2	MDU-IIC	
3	RST2	
4	Panel having high temperature	
5	Short-circuited speaker	
	•	

● SD subdata (IIC)		
0	No SD subdata	
1	EEPROM	
2	BACKUP	
3	DAC	
4	VOL IC	
5	DVI	

Operation status induced by SD		
0	Normal	
1	Relay-off completed	
2	During warning indication	

MASK indication		
0	MASK-OFF	
1	MASK-ON	

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■ Acquisition of other data on the panel • • • [QIP]

The command QIP is for acquiring data other than those available with QS1 (data necessary before turning the power on) and QS2 (data to inform of operational status change).

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Command Format	Effective Operation Modes	Function	Remarks
[QIP]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+39(DATA)+2(CS)=44Byte

I	Data Arrangement		Output Example
ECO	ECO		QIP
1	SERIAL	15Byte	
2	HOUR METER	8Byte	00000000
3	BACKUP HR MTR	8Byte	00000000
4	PON COUNTER	8Byte	00000000
cs	cs		94

Note: The real product serial number is displayed in "SERIAL".

■ Acquisition of panel adjustment data (common data) • • • [QAJ]

The command QAJ is for acquiring data on the panel's factory-preset items that are common to the main unit and that share the same memory.

Command Format	Effective Operation Modes	Function	Remarks
[QAJ]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+27(DATA)+2(CS)=32Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QAJ
1	V-SUS adjustment value	3Byte	128
2	V-OFT adjustment value	3Byte	128
3	V-RST-P adjustment value	3Byte	128
4	XSB adjustment value	3Byte	128
5	YSB adjustment value	3Byte	128
6	YTG adjustment value	3Byte	128
7	YTW adjustment value	3Byte	128
8	RSW adjustment value	3Byte	128
9	R-RIVISE setting value	1Byte	0
10	G-RIVISE setting value	1Byte	0
11	B-RIVISE setting value	1Byte	0
cs		2Byte	B7

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■ Acquisition of ABL/WB adjustment data • • • [QPW]

The command QPW is for acquiring data on the panel's factory-preset items whose memory tables are changed in sequence.

Command Format	Effective Operation Modes	Function	Remarks
[QPW]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+35(DATA)+2(CS)=40Byte

	-	Data	Output
	Data Arrangement	Length	Example
ECO		3Byte	QPW
1	Drive sequence	3Byte	60V
2	Standard/nonstandard	1Byte	S
3	Type of ABL/WB tables	2Byte	T2
4	ABL adjustment value	3Byte	128
5	R-HIGH adjustment value	3Byte	256
6	G-HIGH adjustment value	3Byte	256
7	B-HIGH adjustment value	3Byte	256
8	R-LOW adjustment value	3Byte	512
9	G-LOW adjustment value	3Byte	512
10	B-LOW adjustment value	3Byte	512
11	Gamma setting	1Byte	Α
12	Streaking correction	1Byte	1
13	Peripheral luminance correction	1Byte	0
14	Reservation	1Byte	*
15	WB interlocked with APL	1Byte	0
16	Transition of protective operations	1Byte	0
17	Reservation	2Byte	**
cs		2Byte	37

• Driv	Drive sequence		
48V	48V Video48 Hz		
50V	Video50 Hz		
60V	Video60 Hz		
72V	Video72 Hz		
75V	Video75 Hz		
60P	PC60Hz		
70P	PC70Hz		

● Setting for Items 12 and 15				
0	OFF			
1	ON			
Peripheral luminance correction				

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Standard/ nonstandard			
S	Standard		
N	Nonstandard		

Transition of brightness by protective operations			
0 Upper limit state for brightness			
1 Brightness being reduced			
2 Lower limit state for brightness			
3 Brightness being increased			

n 0 to F	● Gamma setting				
	n	0 to F			

• Тур	oe of ABL/WB tables
Tn	n: 1 to 4

■ Acquisition of parameters • • • [QPM]

The command QPM is for acquiring the accumulated number of pulses for each of 5 blocks from the EEPROM.

Command Format	Effective Operation Modes	Function	Remarks		
[QPM]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+40(DATA)+2(CS)=45Byte		

l	Data Arrangement	Data Length	Output Example
ECO		3Byte	QPM
1	Pulse meter B 1	8Byte	00000000
2	Pulse meter B 2	8Byte	00000000
3	Pulse meter B 3	8Byte	00000000
4	Pulse meter B 4	8Byte	00000000
5	Pulse meter B 5	8Byte	00000000
cs		2Byte	E7

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• The output data on the accumulated number of pulses for each block are calculated in the following way: the high-order 4 bytes of the accumulated number of pulses for each block are converted into a decimal number, and the high-order 8 digits are transmitted. The unit of each block is M_pulse (mega).

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■ Acquisition of PD logs • • • [QPD]

The command QPD is for acquiring data from the 8 latest power-down (PD) logs.

Command Format	Effective Operation Modes	Function	Remarks
[QPD]	All operations	To acquire data on the power-down logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

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	Data Arrangement	Data Length	Output Example
ECO	ECO		QPD
1	Latest "1st PD" data	1byte	Α
2	Latest "2nd PD" data	1byte	2
3	Data from the hour meter for the latest PD	8byte	00010020
4	Second latest "1st PD" data	1byte	E
5	Second latest "2nd PD" data	1byte	9
6	Data from the hour meter for the second latest PD	8byte	00008523
7	Third latest "1st PD" data	1byte	4
8	Third latest "2nd PD" data	1byte	3
9	Data from the hour meter for the third latest PD	8byte	00004335
10	Fourth latest "1st PD" data	1byte	2
11	Fourth latest "2nd PD" data	1byte	0
12	Data from the hour meter for the fourth latest PD	8byte	00000945
13	Fifth latest "1st PD" data	1byte	4
14	Fifth latest "2nd PD" data	1byte	0
15	Data from the hour meter for the fifth latest PD	8byte	00000715
16	Sixth latest "1st PD" data	1byte	Α
17	Sixth latest "2nd PD" data	1byte	2
18	Data from the hour meter for the sixth latest PD	8byte	00000552
19	Seventh latest "1st PD" data	1byte	Α
20	Seventh latest "2nd PD" data	1byte	0
21	Data from the hour meter for the seventh latest PD	8byte	00000213
22	Eighth latest "1st PD" data	1byte	D
23	Eighth latest "2nd PD" data	1byte	0
24	Data from the hour meter for the eighth latest PD	8byte	000001A7
cs		2Byte	27

● PD data				
0	No PD			
1	Not used			
2	P-POWER			
3	SCAN			
4	SCN-5V			
5	Not used			
6	Y-DCDC			
7	Y-SUS			
8	Address			
9	X-DRIVE			
Α	X-DCDC			
В	X-SUS			
С	DIG-DCDC			
D	QS (driving stopped)			
Е	Not used			
F	Specification inability			

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■ Acquisition of SD logs • • • [QSD]

The command QSD is for acquiring the data from the 8 latest shutdown (SD) logs.

Command Effective Operation Modes		Function	Remarks
[QSD]	All operations	To acquire data on the shutdown logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

	Data Arrangement	Data Length	Output Example
ECO	ECO		QSD
1	Latest SD data	1byte	1
2	Latest SD subcategory data	1byte	0
3	Data from the hour meter for the latest SD	8byte	00752013
4	Second latest SD data	1byte	5
5	Second latest SD subcategory data	1byte	0
6	Data from the hour meter for the second latest SD	8byte	00495204
7	Third latest SD data	1byte	2
8	Third latest SD subcategory data	1byte	3
9	Data from the hour meter for the third latest SD	8byte	00100355
10	Fourth latest SD data	1byte	2
11	Fourth latest SD subcategory data	1byte	5
12	Data from the hour meter for the fourth latest SD	8byte	00075620
13	Fifth latest SD data	1byte	1
14	Fifth latest SD subcategory data	1byte	0
15	Data from the hour meter for the fifth latest SD	8byte	00000852
16	Sixth latest SD data	1byte	2
17	Sixth latest SD subcategory data	1byte	5
18	Data from the hour meter for the sixth latest SD	8byte	000000451
19	Seventh latest SD data	1byte	0
20	Seventh latest SD subcategory data	1byte	0
21	Data from the hour meter for the seventh latest SD	8byte	00000000
22	Eighth latest SD data	1byte	0
23	Eighth latest SD subcategory data	1byte	0
24	Data from the hour meter for the eighth latest SD	8byte	00000000
cs		2Byte	7D

● SD data			
0	No SD		
1	SQ-IC		
2	MDU-IIC		
3	RST2		
4	Panel having high temperature		
5	Short-circuited speaker		

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● SD subcategory			
0	No SD subcategory		
1	EEPROM		
2	BACKUP		
3	DAC		
4	VOL-IC		
5	DVI		
6	Not used		

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■ Acquisition of input signal data • • • [QSI]

The command QSI is for acquiring all data on input video signals.

Command Format	Effective Operation Modes	Function	Remarks
[QSI]	All operations	To acquire all data on input video signals	Return data: 3 (ECO)+66(DATA)+2(CS)=71Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QSI
1	Type of drive sequence	3byte	60V
2	Standard/nonstandard	1byte	S
3	Type of ABL/WB tables	2byte	T1
4	Total value of PCN	4byte	0256
5	Total value of PRH	4byte	0256
6	Total value of PGH	4byte	0256
7	Total value of PBH	4byte	0256
8	Total value of PBR	4byte	0512
9	Total value of PRL	4byte	0512
10	Total value of PGL	4byte	0512
11	Total value of PBL	4byte	0512
12	Reservation	2byte	**
13	Detection of existence of H	1byte	Υ
14	Detection of V frequency	4byte	6002
15	Reservation	4byte	****
16	Obtained APL data	4byte	1023
17	Number of SUS pulses	4byte	0457
18	Result of detection of still picture	1byte	1
19	Result of detection of cracking in the panel	1byte	1
20	Result of detection for scanning protection	1byte	1
21	Result of detection for external protection	1byte	1
22	Transition of protection operation	1byte	0
23	Reservation	4byte	****
cs		2Byte	27

Det	Detection of existence of H		
N	No H		
Υ	H detected		

 Transition of brightness by protection operation 			
0	Upper limit state for brightness		
1	Brightness being reduced		
2	Lower limit state for brightness		
3	Brightness being increased		

- If data for an item cannot be obtained during Standby mode, the return data for that item will be "*."
- The types of data for Items 1-3 in the table (drive sequence, standard/nonstandard, and type of ABL/WB tables) are the same as with the command QPW.
- Each total value for Items 4-11 represents that of panel WB, user WB, and degradation correction, and the actual data being sent to the ASTRA are output.
- Detection of V frequency: The V signal input to the panel is measured in the range of 30.51 to 99.99 Hz. The measured value is multiplied by 100 and then output.
- Number of SUS pulses: The number is calculated from data from APL and the drive sequence. The output value must be between 0174 and 2752.
- APL value: The APL value for the input video signal (or mask indication) will be output in the range of 0000 to 1023.

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■ Setting for Factory mode permission/prohibition • • • [FAY/FAN] [PFY/PFN]

The commands FAY/FAN and PFY/PFN are for prohibiting/permitting panel-adjustment commands during normal operation and are to be used to avoid accidental change of panel adjustment values.

	Operation		Remarks	
Command Format	Effective Operation Control (by the microcomputer itself)			
[FAY]	Normal operation mode while the power is on	Adjustment mode: ON	Mask indications will be forcibly turned off.	
[PFY]			With a PFY command, the mask does not change.	
[FAN]	During FAV	Adjustment meder OFF		
[PFN]	During FAY	Adjustment mode: OFF		

• Commands that are effective during normal operation will also be effective during FAY (PFY) mode.

Note:

• The functions shown below will be forcibly switched when Mask ON/OFF is switched. (Even if the panel is off, changed settings will be retained.)

While the status of Mask ON or OFF is maintained, if settings for the individual functions shown in ① and ② are changed, those settings are retained (even if the drive frequency is changed).

1) Functions related to picture quality

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Peripheral luminance correction	OFF	ON	
WB correction interlocked with APL	OFF	ON	
Streaking correction	OFF	ON	

2 Functions related to panel protection

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Detection of still picture	OFF	ON	
Detection of cracking in the panel	OFF	ON	
Scanning protection	OFF	ON	

• Depending on the type of mask displayed, phosphor burn of the panel may occur. As the panel-protection function is forcibly turned off with this model, care must be taken when color-bar signals are to be displayed for an extended period.

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■ Backup function for adjustment values for the main unit • • • [FAJ/UAJ/CBU/BCP]

When the HD DIGITAL Assy is to be replaced, adjustment values can be copied from the backup EEPROM to the EEPROM of the Assy for service.

Camana d	Operation			
Command Format	Effective Operation Modes	Control (by the microcomputer itself)		Remarks
[FAJ]		To make the flag setting that indicating that adjustment of the main unit has been completed	Writing 00 to the 4-kbyte ROM and copying to the 2-kbyte ROM	This takes at least 350 ms.
[UAJ]	During FAY	To make the flag setting that indicating that adjustment of the main unit has not been completed	Writing F0 to the 4-kbyte ROM	
[CBU]		To make the flag setting that indicating that backup data have not been copied	Writing F0 to the 2-kbyte ROM	The backup ROM is initialized.
[BCP]		To make the flag setting that indicating that backup data have been copied	Copying backup data	

When the flag indicating that the line adjustments (SUS waveform, voltage margin, and panel WB) for the main unit have been completed is set to on, data stored from Addresses 0x0000 to 0X00FF in the digital EEPROM are copied to the same addresses of the backup EEPROM. Copying will be executed immediately before the relay of normal operation is off.

- When the command BCP is received while a warning indicating that backup copying has not been completed is displayed (conditions: main EEPROM = not adjusted, and backup EEPROM = adjusted), backed-up data will be copied to the main EEPROM, and various adjustment values related to Factory mode will be readjusted. Then LED warning indication will be shut off, and normal LED indication will be restored.
- If the backup EEPROM has not been adjusted when the command BCP is received (0x0063 is not written to all three addresses of the key data), copying of the backup data is not possible, and "XXX" is returned.

Address	EEPROM for the module microcomputer	. Writing when the power is	EEPROM for data backup	Address
0x0000 0x00FF	Data that need backup, such as adjustment values for the main unit and the data from the hour meter	off, etc.	Data that need backup, such as adjustment values for the main unit and the data from the hour meter	0x00 0xFF
0x0100	Data that do not need backup, such as raster mask color	Executing copying with the command BCP		-

Note:

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- When the command FAJ, UAJ, or CBU is executed, only high-order one-byte (0x00 or 0xF0) key data will be written to the EEPROM, and lower-order one-byte (0x63) data will not be changed.
- It takes at least 350 ms from reception of the command FAJ until an echo is sent back, because data are copied to the backup EEPROM.

■ Factory presetting • • • [PFS]

Command		Operation	
Command Format	Effective Operation Modes	Control (by the microcomputer itself)	Remarks
[PFS]	During FAY	Initialized to factory-preset values	

• When this command is executed, the values not stored in the EEPROM are initialized, mask indication is set to OFF, control of the power for line aging is set to OFF, and detection of the system cable is set to ON.

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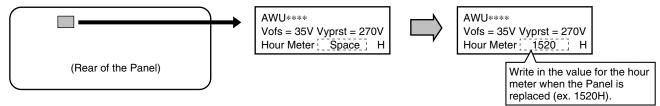
6.3 METHOD FOR REPLACING THE SERVICE PANEL ASSY

When the Panel Assy is replaced with one for service, the following adjustments are required:

■ Adjustments of Vofs voltage and Vyprst voltage

Enter the reference adjustment values for the Vofs voltage and Vyprst voltage that are written on the label attached to the panel for service.

Note: Enter the values, using an RS-232C command or the Factory Menu.



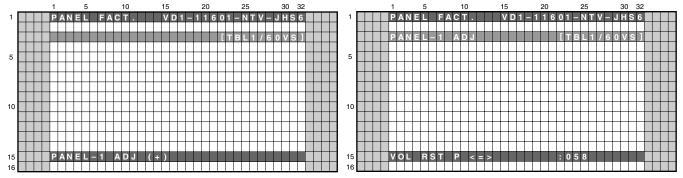
Using an RS-232C command

Enter a "PFY" command with Factory mode ON.

Convert the adjustment voltage values written on the label attached at the rear of the Panel to an input command, referring to the conversion chart. (See the next page.)

- Reference adjustment of the Vofs voltage: Ex. "Vofs = 35" → (Check the conversion chart.) Enter "VOF112."
- Reference adjustment of the Vyprst voltage: Ex. 50-inch "Vyprst = 270 V" → (Check the conversion chart.) Enter "VRP055." (Note that the conversion charts for 50-inch and 43-inch Panels are different.)

Using the Factory Menu



Select the main item "PANEL FACT." by pressing the MUTE key then enter Panel Factory mode by pressing the SET key. Using the \triangle/∇ keys, select "PANEL-1 ADJ" then press the SET key to enter the next lower nested layer. Select "VOL-OFFSET" or "VOL RST P" then enter a command value converted from the voltage value, using the $\triangleleft/\triangleright$ keys.

■ Clearing data on various histories of the Panel, such as those on the hour meter

- It is necessary to clear the data on the hour meter, etc. to match them to the actual driving hours of the Panel.
- It is also necessary to clear the data on SD and PD, because the accumulated power-on time when a shutdown or power-down occurred is recorded.

Note: Clear the values, using an RS-232C command or the Factory Menu.

There are two types of hour meters. Do not take the MR hour meter for the hour meter.

Using an RS-232C command

To acquire the accumulated power-on time of the product itself, use the "GS2" RS-232C command.

1 To clear the data on the hour meter (for the Panel) : CHM 2 To clear the data on the pulse meter : CPM 3 To clear the data on the SD history : CSD 4 To clear the data on the PD history : CPD

Using the Factory Menu

See "7.1.7 HOW TO CLEAR HISTORY DATA."

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■ Conversion charts for electronic VRs: Conversion chart for the Vofs

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Conversion (chart for the	e Vofs (Com	mands vs. (Common vo	ltage values	for the 50-ii	nch and 43-	inch models	s)
Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common size						
VOF000	14.09	VOF056	24.55	VOF112	35.01	VOF168	45.47	VOF224	55.93
VOF001	14.28	VOF057	24.74	VOF113	35.20	VOF169	45.66	VOF225	56.12
VOF002	14.46	VOF058	24.92	VOF114	35.38	VOF170	45.85	VOF226	56.31
VOF003	14.65	VOF059	25.11	VOF115	35.57	VOF171	46.03	VOF227	56.49
VOF004	14.84	VOF060	25.30	VOF116	35.76	VOF172	46.22	VOF228	56.68
VOF005	15.02	VOF061	25.48	VOF117	35.95	VOF173	46.41	VOF229	56.87
VOF006	15.21	VOF062	25.67	VOF118	36.13	VOF174	46.59	VOF230	57.05
VOF007	15.40	VOF063	25.86	VOF119	36.32	VOF175	46.78	VOF231	57.24
VOF008	15.58	VOF064	26.04	VOF120	36.51	VOF176	46.97	VOF232	57.43
VOF009	15.77	VOF065	26.23	VOF121	36.69	VOF177	47.15	VOF233	57.61
VOF010	15.96	VOF066	26.42	VOF122	36.88	VOF178	47.34	VOF234	57.80
VOF011	16.14	VOF067	26.61	VOF123	37.07	VOF179	47.53	VOF235	57.99
VOF012	16.33	VOF068	26.79	VOF124	37.25	VOF180	47.71	VOF236	58.17
VOF013	16.52	VOF069	26.98	VOF125	37.44	VOF181	47.90	VOF237	58.36
VOF014	16.70	VOF070	27.17	VOF126	37.63	VOF182	48.09	VOF238	58.55
VOF015	16.89	VOF071	27.35	VOF127	37.81	VOF183	48.27	VOF239	58.73
VOF016	17.08	VOF072	27.54	VOF128	38.00	VOF184	48.46	VOF240	58.92
VOF017	17.27	VOF073	27.73	VOF129	38.19	VOF185	48.65	VOF241	59.11
VOF018	17.45	VOF074	27.91	VOF130	38.37	VOF186	48.83	VOF242	59.30
VOF019	17.64	VOF075	28.10	VOF131	38.56	VOF187	49.02	VOF243	59.48
VOF020	17.83	VOF076	28.29	VOF132	38.75	VOF188	49.21	VOF244	59.67
VOF021	18.01	VOF077	28.47	VOF133	38.93	VOF189	49.39	VOF245	59.86
VOF022	18.20	VOF078	28.66	VOF134	39.12	VOF190	49.58	VOF246	60.04
VOF023	18.39	VOF079	28.85	VOF135	39.31	VOF191	49.77	VOF247	60.23
VOF024	18.57	VOF080	29.03	VOF136	39.49	VOF192	49.96	VOF248	60.42
VOF025	18.76	VOF081	29.22	VOF137	39.68	VOF193	50.14	VOF249	60.60
VOF026	18.95	VOF082	29.41	VOF138	39.87	VOF194	50.33	VOF250	60.79
VOF027	19.13	VOF083	29.59	VOF139	40.05	VOF195	50.52	VOF251	60.98
VOF028	19.32	VOF084	29.78	VOF140	40.24	VOF196	50.70	VOF252	61.16
VOF029	19.51	VOF085	29.97	VOF141	40.43	VOF197	50.89	VOF253	61.35
VOF030	19.69	VOF086	30.15	VOF142	40.62	VOF198	51.08	VOF254	61.54
VOF031	19.88	VOF087	30.34	VOF143	40.80	VOF199	51.26	VOF255	61.72
VOF032	20.07	VOF088	30.53	VOF144	40.99	VOF200	51.45		-
VOF033	20.25	VOF089	30.71	VOF145	41.18	VOF201	51.64		
VOF034	20.44	VOF090	30.90	VOF146	41.36	VOF202	51.82		
VOF035	20.63	VOF091	31.09	VOF147	41.55	VOF203	52.01		
VOF036	20.81	VOF092	31.28	VOF148	41.74	VOF204	52.20		
VOF037	21.00	VOF093	31.46	VOF149	41.92	VOF205	52.38		
VOF038	21.19	VOF094	31.65	VOF150	42.11	VOF206	52.57		
VOF039	21.37	VOF095	31.84	VOF151	42.30	VOF207	52.76		
VOF040	21.56	VOF096	32.02	VOF152	42.48	VOF208	52.94		
VOF040	21.75	VOF097	32.21	VOF152	42.67	VOF209	53.13		
VOF041	21.73	VOF098	32.40	VOF154	42.86	VOF210	53.32		
VOF042	22.12	VOF099	32.58	VOF155	43.04	VOF211	53.50		
VOF044	22.31	VOF100	32.77	VOF156	43.23	VOF211	53.69		
VOF045	22.50	VOF101	32.96	VOF157	43.42	VOF212	53.88		
VOF046	22.68	VOF101	33.14	VOF158	43.60	VOF214	54.06		
VOF047	22.87	VOF102	33.33	VOF159	43.79	VOF215	54.25		
VOF048	23.06	VOF104	33.52	VOF160	43.98	VOF216	54.44		
VOF049	23.24	VOF105	33.70	VOF161	44.16	VOF217	54.63		
VOF050	23.43	VOF105	33.89	VOF162	44.35	VOF217	54.81		
VOF050 VOF051	23.62	VOF100	34.08	VOF162 VOF163	44.54	VOF218	55.00		+
VOF051	23.80	VOF107 VOF108	34.26	VOF163	44.72	VOF219 VOF220	55.00		
VOF052 VOF053	23.99	VOF108 VOF109	34.45	VOF164 VOF165	44.72	VOF220 VOF221	55.19		-
VOF053 VOF054	23.99		34.45		45.10	VOF221 VOF222			
v UFU34	24.10	VOF110	34.04	VOF166	43.10	V U F Z Z Z	55.56		1

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (1/2)

Conversion chart for the Vyprst (Commands vs. Voltage values for the 50-inch and 43-inch models)								
Command Voltage [V]		Command Voltage [V]			Command	Volta	ige [V]	
Command	50-inch Model	43-inch Model	Command	50-inch Model	43-inch Model	Command	50-inch Model	43-inch Mod
VRP000	246.3	236.3	VRP056	270.6	260.6	VRP112	294.9	284.9
VRP001	246.7	236.7	VRP057	271.0	261.0	VRP113	295.4	285.4
VRP002	247.1	237.1	VRP058	271.5	261.5	VRP114	295.8	285.8
VRP003	247.6	237.6	VRP059	271.9	261.9	VRP115	296.2	286.2
VRP004	248.0	238.0	VRP060	272.3	262.3	VRP116	296.7	286.7
VRP005	248.4	238.4	VRP061	272.8	262.8	VRP117	297.1	287.1
VRP006	248.9	238.9	VRP062	273.2	263.2	VRP118	297.5	287.5
VRP007	249.3	239.3	VRP063	273.6	263.6	VRP119	298.0	288.0
VRP008	249.7	239.7	VRP064	274.1	264.1	VRP120	298.4	288.4
VRP009	250.2	240.2	VRP065	274.5	264.5	VRP121	298.8	288.8
VRP010	250.6	240.6	VRP066	274.9	264.9	VRP122	299.3	289.3
VRP011	251.0	241.0	VRP067	275.4	265.4	VRP123	299.7	289.7
VRP012	251.5	241.5	VRP068	275.8	265.8	VRP124	300.1	290.1
VRP013	251.9	241.9	VRP069	276.2	266.2	VRP125	300.6	290.6
VRP014	252.4	242.4	VRP070	276.7	266.7	VRP126	301.0	291.0
VRP015	252.8	242.8	VRP071	277.1	267.1	VRP127	301.4	291.4
VRP016	253.2	243.2	VRP072	277.5	267.5	VRP128	301.9	291.9
VRP017	253.7	243.7	VRP073	278.0	268.0	VRP129	302.3	292.3
VRP018	254.1	244.1	VRP074	278.4	268.4	VRP130	302.7	292.7
VRP019	254.5	244.1	VRP075	278.9	268.9	VRP131	303.2	293.2
VRP020	255.0	244.5	VRP076	279.3	269.3	VRP131	303.2	293.2
VRP020 VRP021	255.4	245.0		279.3	269.3	VRP132 VRP133	303.6	293.6
			VRP077					
VRP022	255.8	245.8	VRP078	280.2	270.2	VRP134	304.5	294.5
VRP023	256.3	246.3	VRP079	280.6	270.6	VRP135	304.9	294.9
VRP024	256.7	246.7	VRP080	281.0	271.0	VRP136	305.3	295.3
VRP025	257.1	247.1	VRP081	281.5	271.5	VRP137	305.8	295.8
VRP026	257.6	247.6	VRP082	281.9	271.9	VRP138	306.2	296.2
VRP027	258.0	248.0	VRP083	282.3	272.3	VRP139	306.7	296.7
VRP028	258.4	248.4	VRP084	282.8	272.8	VRP140	307.1	297.1
VRP029	258.9	248.9	VRP085	283.2	273.2	VRP141	307.5	297.5
VRP030	259.3	249.3	VRP086	283.6	273.6	VRP142	308.0	298.0
VRP031	259.7	249.7	VRP087	284.1	274.1	VRP143	308.4	298.4
VRP032	260.2	250.2	VRP088	284.5	274.5	VRP144	308.8	298.8
VRP033	260.6	250.6	VRP089	284.9	274.9	VRP145	309.3	299.3
VRP034	261.0	251.0	VRP090	285.4	275.4	VRP146	309.7	299.7
VRP035	261.5	251.5	VRP091	285.8	275.8	VRP147	310.1	300.1
VRP036	261.9	251.9	VRP092	286.2	276.2	VRP148	310.6	300.6
VRP037	262.3	252.3	VRP093	286.7	276.7	VRP149	311.0	301.0
VRP038	262.8	252.8	VRP094	287.1	277.1	VRP150	311.4	301.4
VRP039	263.2	253.2	VRP095	287.5	277.5	VRP151	311.9	301.9
VRP040	263.6	253.6	VRP096	288.0	278.0	VRP152	312.3	302.3
VRP041	264.1	254.1	VRP097	288.4	278.4	VRP153	312.7	302.7
VRP042	264.5	254.5	VRP098	288.8	278.8	VRP154	313.2	303.2
VRP043	264.9	254.9	VRP099	289.3	279.3	VRP155	313.6	303.6
VRP044	265.4	255.4	VRP100	289.7	279.7	VRP156	314.0	304.0
VRP045	265.8	255.8	VRP101	290.1	280.1	VRP157	314.5	304.5
VRP046	266.3	256.3	VRP102	290.6	280.6	VRP158	314.9	304.9
VRP047	266.7	256.7	VRP103	291.0	281.0	VRP159	315.3	305.3
VRP048	267.1	257.1	VRP104	291.4	281.4	VRP160	315.8	305.8
VRP049	267.6	257.6	VRP105	291.9	281.9	VRP161	316.2	306.2
VRP050	268.0	258.0	VRP106	292.3	282.3	VRP162	316.6	306.6
VRP051	268.4	258.4	VRP107	292.8	282.8	VRP163	317.1	307.1
VRP052	268.9	258.9	VRP108	293.2	283.2	VRP164	317.5	307.5
VRP053	269.3	259.3	VRP109	293.6	283.6	VRP165	317.9	307.9
		259.7	VRP110	294.1	284.1	VRP166	318.4	308.4
VRP054	269.7							

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (2/2)

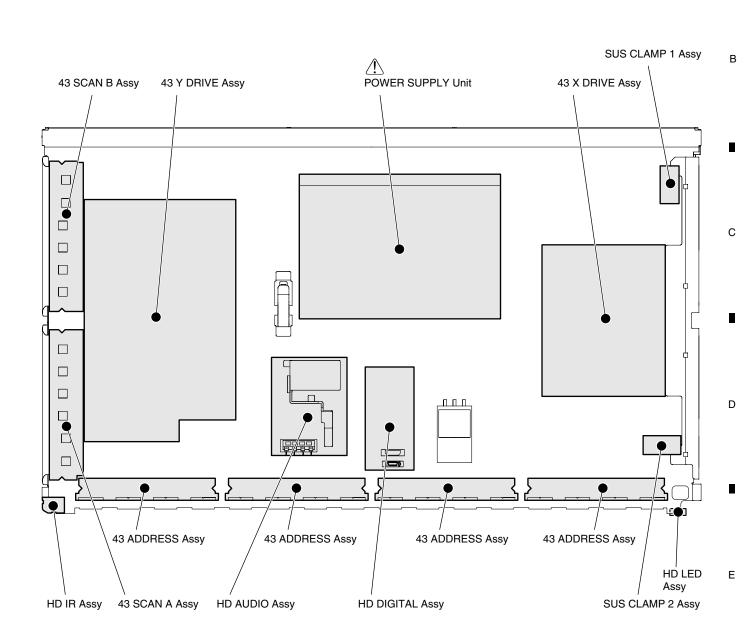
onversion cha		(Commands vs. V	oitage values fo		
Command	Volta		Command		ge [V]
		43-inch Model		50-inch Model	
VRP168	319.2	309.2	VRP224	343.6	333.6
VRP169	319.7	309.7	VRP225	344.0	334.0
VRP170	320.1	310.1	VRP226	344.4	334.4
VRP171	320.6	310.6	VRP227	344.9	334.9
VRP172	321.0	311.0	VRP228	345.3	335.3
VRP173	321.4	311.4	VRP229	345.7	335.7
VRP174	321.9	311.9	VRP230	346.2	336.2
VRP175	322.3	312.3	VRP231	346.6	336.6
VRP176	322.7	312.7	VRP232	347.1	337.1
VRP177	323.2	313.2	VRP233	347.5	337.5
VRP178	323.6	313.6	VRP234	347.9	337.9
VRP179	324.0	314.0	VRP235	348.4	338.4
VRP180	324.5	314.5	VRP236	348.8	338.8
VRP181	324.9	314.9	VRP237	349.2	339.2
VRP182	325.3	315.3	VRP238	349.7	339.7
VRP183	325.8	315.8	VRP239	350.1	340.1
VRP184	326.2	316.2	VRP240	350.5	340.5
VRP185	326.6	316.6	VRP241	351.0	341.0
VRP186	327.1	317.1	VRP242	351.4	341.4
VRP187	327.5	317.5	VRP243	351.8	341.8
VRP188	327.9	317.9	VRP244	352.3	342.3
VRP189	328.4	318.4	VRP245	352.7	342.7
VRP190	328.8	318.8	VRP246	353.1	343.1
VRP191	329.2	319.2	VRP247	353.6	343.6
VRP192	329.7	319.7	VRP248	354.0	344.0
VRP193	330.1	320.1	VRP249	354.4	344.4
VRP194	330.5	320.5	VRP250	354.9	344.9
VRP195	331.0	321.0	VRP251	355.3	345.3
VRP196	331.4	321.4	VRP252	355.7	345.7
VRP197	331.8	321.8	VRP253	356.2	346.2
VRP198	332.3	322.3	VRP254	356.6	346.6
VRP199	332.7	322.7	VRP255	357.0	347.0
VRP200	333.2	323.2			
VRP201	333.6	323.6			
VRP202	334.0	324.0			
VRP203	334.5	324.5			
VRP204	334.9	324.9			
VRP205	335.3	325.3			
VRP206	335.8	325.8			
VRP207	336.2	326.2			
VRP208	336.6	326.6			
VRP209	337.1	327.1			
VRP210	337.5	327.5			
VRP211	337.9	327.9			
VRP212	338.4	328.4			
VRP213	338.8	328.8 329.2			
VRP214	339.2				
VRP215	339.7	329.7			
VRP216	340.1	330.1			
VRP217 VRP218	340.5	330.5			
VRP218 VRP219	341.0	331.0			
	341.4	331.4			
VRP220	341.8	331.8			
V/RP221	3400	י ניניני			
VRP221 VRP222	342.3 342.7	332.3 332.7			

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7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 PCB LOCATION



7.1.2 DIAGNOSIS OF SHUTDOWN/POWER-DOWN INDICATED BY LEDS

• Operation statuses indicated by LEDs

Status				LED Pattern
Standby	1	Lit in Red	Blue Red	
Power ON	2	Lit in Blue	Blue Red	
AC Power OFF of one side	3	Red flashes (1000ms)	Blue Red	1000ms
System cable disconnection	4	Red and blue flash (1000ms)	Blue Red	1000ms 1000ms
Power-down	5	Red flashes (500+2500ms)		Once Twice n times 2.5s Once
Shutdown	6	Blue flashes (500+2500ms)	Blue	500ms Once Twice on times 2.5s Once
No backup copy	7	Lit in Red and blue flashes (200ms)	Blue Red	200ms

: Lit in Red LED
: Lit in Blue LED

• PD (power-down) count

1	Not used
2	POWER SUPPLY Unit
3	SCAN Assy
4	5V power supply for SCAN
5	Y-DRIVE (Not used)
6	DCDC for Y drive
7	Y-SUS
8	ADDRESS Assy
9	X-DRIVE
10	DCDC for X drive
11	X-SUS
12	Not used
13	Sequence drive stop
14	Not used
15	UNKNOWN

• SD (shut down) count

1	SEQUENCE PROCESSOR (SQ_IC)
2	MDU-IIC
3	RST2 abnormality
4	Panel high temperature
5	Speaker short-circuit *

* When a jumper (J105) between the HD AUDIO Assy and the POWER SUPPLY Unit is disconnected, the SD LED flashes five times in this manner.

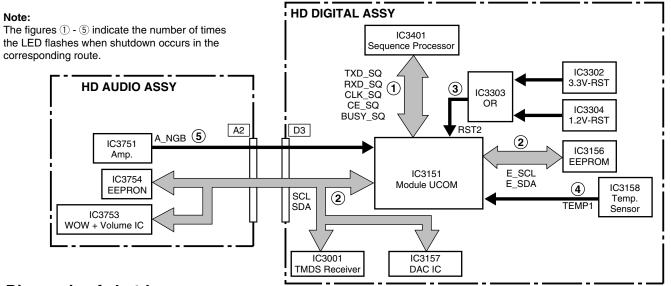
Note:

- When a shutdown occurs, a warning will be issued by the Media Receiver and displayed, then the power will be shut off.
- When a shutdown or power-down occurs on the Panel side, the Media Receiver will enter Standby mode (the red LED will light).

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• Diagnosis of shutdown

Number of flashes	SD Circuit in Operation	Defective Assy	Reason for Shutdown	Point to be Checked	Possible Defective Part	Remarks	
			Communication failure of IC3401	SQ ASIC BLOCK, PANEL FLASH BLOCK	IC3401, IC3301		
1 time	Communication failure of the driving processor	HD DIGITAL	Writing failure of IC3401			Check if version data can be read, using the "GS1" command, after the power is turned on again.	
		HD DIGITAL	Communication failure of the EEPROM (for	MODULE UCOM BLOCK	IC3156, IC3157		
			retaining 4-Kbyte of data)	TMDS BLOCK	IC3001		
2 times	Communication failure of the IIC line (Check the SD subcategory on	HD AUDIO	Communication failure of the EEPROM (2-kbyte : for backup)	AUDIO AMP BLOCK	IC3754		
	the Factory Menu.)		HD AUDIO	Disconnection of connectors	A2 - D3		Check if the connectors are disconnected or are not connected securely.
			Defective volume IC	HD AUDIO Assy	IC3753		
		driving	Defective DC-DC converter	DIGITAL DD CON BLOCK	U3601	Check if 3.3-V and 1.2-V power supplies are activated.	
3 times	Power failure of		Defective RST IC	PANEL FLASH BLOCK	IC3302 - IC3304		
	processor (RST2)		Defective IC3401	SQ ASIC BLOCK	IC3401		
	, ,	POWER SUPPLY	The 8-V power supply is not activated.			Check if the 8-V power is supplied at Pin 1 of the D11 connector.	
4 times	Abnormally high temperature of the panel		Abnormally high temperature of the panel	Ambient temperature		The Panel will be shut down if the sensor detects temperature of 75°C or higher (for the PDP-436P/-506P).	
			Speakers' grounding fault	Speaker terminals		Check if the speaker cables are in contact with the chassis, etc.	
5 times	Audio failure	HD AUDIO	Defective AMP IC	HD AUDIO Assy	IC3751		
		HD AUDIO	Disconnection of connectors	A1 - P5		Check if the connectors are disconnected or are not connected securely.	

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Defective PCB Assy	Reason for PD (Power-down)	Point to be Checked	Possible Defective Part	Remarks
POWER SUPPLY				
50 (43) SCAN A, B		SCAN IC	SCAN IC	VH-GNDH short-circuit
	VH UVP	Y SUS BLOCK	IC2252, IC2253	VSUS-SUSOUT, SUSOUT-SUSGND short- circuit
30 (43) T URIVE		VH DC/DC	IC2502, L2501	
	Disconnection of cable detected	CN2001, CN2350		
50 (43) X DRIVE	VHUVP	IC1202	IC1202	VSUS-SUSOUT, SUSOUT-SUSGND short- orcuit
0 4 140 00 (07)	Disconnection of cable detected	CN2401, CN2402		
30 (43) 30AN A, B		SCAN IC	SCAN IC	
T. 100 X (01) 01	IC5V UVP	IC5V DC/DC	Q2605, R2647	
30 (43) 1 DAIVE		Y SUS BLOCK	R2352	
	an i saon	VOFS DC/DC	Q2606, R2619, R2620	
50 (43) Y DRIVE	L > 0 0 L O >	Y SUS BLOCK	IC2252, IC2253, Q2280, Q2281	MSKS-SUSOUT short-circuit
	Vprst UVP	Vprst Regulator	Q2531, Q2532, IC2535	
TV100 X X X X X X X X X X X X X X X X X X	Power-down caused by detection of middle-point	Y RESONANCE BLOCK	IC2101	
30 (43) T DRIVE	voltage	Y SUS BLOCK	Q2221	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Address power-down	ADDRESS RESONANCE BLOCK	D1634	V+ADR-GND_ADR short-circuit
50 (43) ADDRESS	Disconnection of cable detected	CN1501, CN3501-CN3504		
50 (43) X DRIVE	Disconnection of cable detected	CN1001		
	Disconnection of cable detected	CN1201		
50 (43) X DRIVE	Q/I NQ/	VRN DC/DC	Q1323, R1332, R1333	
		X SUS BLOCK	R1204, Q1272	
50 (43) X DRIVE	Power-down caused by detection of middle-point voltage	X RESONANCE BLOCK	IC1101	
Number Operation 2 Powers 3 SCAN 4 SCN-5V 6 Y-DCDC 6 Y-DCDC 9 XDRIVE 9 XDRIVE 10 X-DCDC		Defective PCB AssyReason (Power- (Power- (Power- (Power- (Power- (Power- (Power-down card of 43) Y DRIVEVH UVP50 (43) Y DRIVEVH UVP50 (43) Y DRIVEVH UVP50 (43) Y DRIVEVOFS UVP50 (43) Y DRIVEVorst UVP50 (43) Y DRIVEVorst UVP50 (43) Y DRIVEPower-down card detection of mid voltage50 (43) Y DRIVEDisconnection of 	Power Supply FOWER SUPPLY 50 (43) SCAN A, B 50 (43) Y DRIVE 50 (43) X DRIVE	Defective PCB Assy Reason for PD (Power-down) Point to be Checked (Power-down) POWER SUPPLY SCAN IC 9 50 (43) SCAN A, B VH UVP Y SUS BLOCK 50 (43) Y DRIVE VH UVP Y SUS BLOCK 50 (43) Y DRIVE VH UVP IC1202 50 (43) Y DRIVE VH UVP IC1202 50 (43) Y DRIVE VOFS UVP X SUS BLOCK 50 (43) Y DRIVE VOFS UVP Y SUS BLOCK 50 (43) Y DRIVE VOFS UVP Y SUS BLOCK 50 (43) Y DRIVE VOFS UVP Y SUS BLOCK 50 (43) Y DRIVE Power-down caused by detected Y SUS BLOCK 50 (43) Y DRIVE Power-down caused by detected Y SUS BLOCK 50 (43) Y DRIVE Disconnection of cable detected CN1501, CN3504 50 (43) X DRIVE Disconnection of cable detected CN1501, CN3504 50 (43) X DRIVE Disconnection of cable detected CN1501, CN3504 50 (43) X DRIVE Disconnection of cable detected CN1001 50 (43) X DRIVE Power-down caused by detected X RESONANCE BLOCK Address power-down caused b

OVP: OVER VOLTAGE PROTECT UVP: UNDER VOLTAGE PROTECT

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■ Top screen of the Factory Menu for the main unit

MR INFORMATION

< MUTE > key

FUNC. CHECK

< MUTE > key

COMMON ADJ.

< MUTE > key

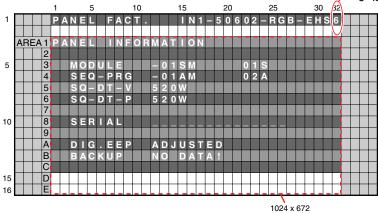
PANEL FACTORY

< SET > key



Top screen of the Panel Factory

If a Panel of Generation 6 is connected, "6" is indicated here.



Note: With this model, the structure of Factory mode has been changed, and all items related to the Panel are gathered into PANEL FACTORY mode.

Note: On-screen displays in Factory mode are indicated in white characters on a green background for the PDP-506HD/436HD and subsequent models.

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■ Configuration of Panel Factory mode

M-	Submode Name	Adicatable Barras	D and a
No.	Submode Items	Adjustable Range	Remarks
1	PANEL INFORMATION		
2	PANEL WORKS		
3	POWER DOWN		
4	SHUT DOWN		
5	PANEL-1 ADJ (+)		
5-1	X-SUS B <=>	120 to 136	Equivalent to XSB
5-2	Y-SUS B <=>	120 to 136	Equivalent to YSB
5-3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
5-4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5-5	XY-RST W <=>	120 to 136	Equivalent to RSW
5-6	VOL SUS <=>	000 to 255	Equivalent to VSU
5-7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
5-8	VOL RST P <=>	000 to 255	Equivalent to VRP
5-9	SUS FREQ. <=>	MODE1 to MODE8	Equivalent to SFR
6	PANEL-2 ADJ (+)		
6-1	R-HIGH <=>	000 to 511	Equivalent to PRH
6-2	G-HIGH <=>	000 to 511	Equivalent to PGH
6-3	B-HIGH <=>	000 to 511	Equivalent to PBH
6-4	R-LOW <=>	000 to 999	Equivalent to PRL
6-5	G-LOW <=>	000 to 999	Equivalent to PGL
6-6	B-LOW <=>	000 to 999	Equivalent to PBL
6-7	ABL <=>	000 to 255	Equivalent to ABL
7	PANEL REVISE		
7-1	R-LEVEL <=>	LV-0 to LV-7	Equivalent to RRL
7-2	G-LEVEL <=>	LV-0 to LV-7	Equivalent to RGL
7-3	B-LEVEL <=>	LV-0 to LV-7	Equivalent to RBL
8	ETC (+)		
8-1	BACKUP DATA <=>	NO OPRT<=>TRANSFER or ERR	Equivalent to BCP
8-2	DIGITAL EEPROM <=>	NO OPRT<=>DELETE/REPAIR	Equivalent to FAJ/UAJ
8-3	PD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPD
8-4	SD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CSD
8-5	HR-MTR INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CHM
8-6	PM/B1-B5 <=>	NO OPRT <=>CLEAR	Equivalent to CPM
8-7	P-COUNT INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPC
9	MASK SETUP (+)		
9-1	MASK OFF		Equivalent to MKS+S00
9-2	SGL MASK 01 <=>		Equivalent to MKS+S01
9-3	SGL MASK 02 <=>		Equivalent to MKS+S02
	•••	<pre><=>V48<=>V50<=>V60<=>P60<=>P70<=>V72<=>V75<=> (Select each sequence.)</pre>	•••
9-62	CMB MASK 08 <=>	- (Octobe Cacil Sequence.)	Equivalent to MKC+S08
9-63	CMB MASK 09 <=>	1	Equivalent to MKC+S09

_

Ε

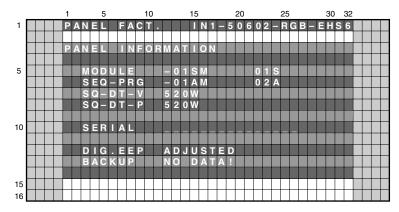
В

66 ■ 1 ■

■ Details on submodes related to the panel

The GUI display examples here are those displayed when the main unit is used with the 50-inch model.

1. PANEL INFORMATION



■ Key operation

<DOWN> : Shifting to PANEL WORKS
<UP> : Shifting to MASK SETUP (+)

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

В

D

Ε

F

The version of the microcomputer of the panel, serial number of the main unit, adjustment values of the main unit, and backup status are displayed.

2. PANEL WORKS

- The data from the pulse meter for each block from PM-B1 to PM-B5 are indicated. The values stored in the EEPROM (3 bytes each) are each converted into a decimal number, and the higher-order 8 digits are displayed (that means that the lowest-order digit represents millions).
- TEMP1: Indicates the temperature of the panel. By your pressing the L or R key, the temperature value can be updated.

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7

3. POWER DOWN

В

1 5 10 15 20 25 30 32

1 PANEL FACT. IN1-50602-RGB-EHS6 IN IN1-50602-RGB-IN1-50602-RGB

■ Key operation

<DOWN> : Shifting to SHUTDOWN
<UP> : Shifting to PANEL WORKS

<SEL> : MASK ON/OFF

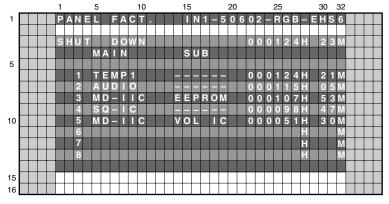
<L/R> : Updating displayed information

• Basically, data acquired with the command QPD are displayed in the columns "1ST" and "2ND, with the values from the hour meter when the power-down occurred.

<Causes of power-down and corresponding OSD indications>

<u> </u>			
Cause of power-down	OSD Indication	Cause of power-down	OSD Indication
POWER SUPPLY Unit	P-PWR	ADDRESS Assy	ADRS
SCAN Assy	SCAN	X-DRIVE Assy	X-DRV
5V power for SCAN	SCN5V	DCDC for X drive	X-DCDC
Not used		X-SUS	X-SUS
DCDC for Y drive	Y-DCDC	Sequence drive stopped	SQ-NON
Y-SUS	Y-SUS	Specification inability	UNKNOW

4. SHUT DOWN



■ Key operation

<DOWN> : Shifting to PANEL-2ADJ (+) <UP> : Shifting to POWER DOWN

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

• Basically, data acquired with the command QSD (for MDU-IIC, subcategory data are also displayed) are displayed with the values from the hour meter when the shutdown occurred.

<Causes of shutdown and corresponding OSD indications>

Todacoo or orialaonii aria	on coponium g coe manda.
Cause of shutdown (main)	OSD Indication
SEQUENCE PROCESSOR	SQ-IC
MDU-IIC	MDU-IIC (with subcategory)
Abnormality in RST2	RST2
Panel having high temperature	TEMP1
Short-circuited speaker	AUDIO

Cause of shutdown (sub)	OSD Indication	
EEPROM	EEPROM (IC3156)	
BACKUP	BACKUP (IC3754)	
DAC	DAC (IC3302 to IC3304)	
Audio IC	VOL-IC (IC3158)	
DVI	DVI	

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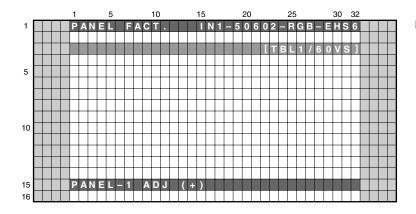
Ε

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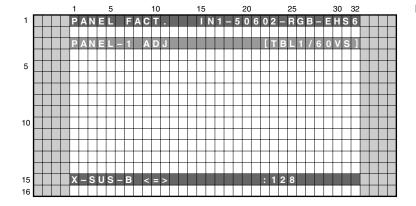
5. PANEL-1 ADJ



■ Key operation

<DOWN> : Shifting to PANEL-2 ADJ (+) <UP> : Shifting to POWER DOWN <SET> : Shifting to the next nested layer

<SEL> : MASK ON/OFF



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Drive-sequence indications and indications for the ABL/WB tables> (The OSD indications are displayed at the right part of the third line for submode PANEL-1 ADJ and subsequent submodes.)

Type of WB/ABL Tables		Type of Drive Sequences					
		Standard Video/MASK ON		Nonstandard Video		PC	
TBL1		48VS				60PS	Not used for consumer products
TBL2		50VS		50VN		70PS	
TBL3		60VS		60VN			
TBL4		72VS	Only Mask indication				
		75VS		75VN			

<Lower-layer items of PANEL-1 ADJ>

5

No.	Items	Adjustment/Setting Value	Remarks
1	X-SUS B <=>	120 to 136	Equivalent to XSB
2	Y-SUS B <=>	120 to 136	Equivalent to YSB
3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5	XY-RST W <=>	120 to 136	Equivalent to RSW
6	VOL SUS <=>	000 to 255	Equivalent to VSU
7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
8	VOL RST P <=>	000 to 255	Equivalent to VRP
9	SUS FREQ. <=>	<=>MODE1 to MODE8<=>	Equivalent to SFR

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В

С

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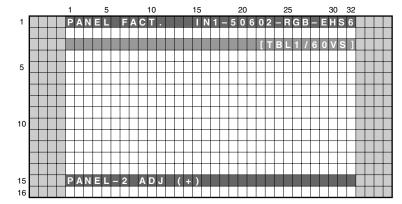
Ε

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6. PANEL-2 ADJ

В



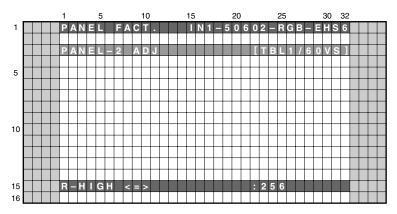
■ Key operation

3

<DOWN> : Shifting to PANEL REVISE <UP> : Shifting to PANEL-1 ADJ (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item
<UP> : Shifting to the previous item
<RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

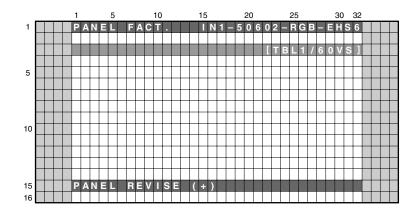
<SEL> : MASK ON/OFF

<Lower-layer items of PANEL-2 ADJ>

No.	Items	Adjustment/Setting Value	Remarks
1	R-HIGH <=>	000 to 511	Equivalent to PRH
2	G-HIGH <=>	000 to 511	Equivalent to PGH
3	B-HIGH <=>	000 to 511	Equivalent to PBH
4	R-LOW <=>	000 to 999	Equivalent to PRL
5	G-LOW <=>	000 to 999	Equivalent to PGL
6	B-LOW <=>	000 to 999	Equivalent to PBL
7	ABL <=>	000 to 255	Equivalent to ABL

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7. PANEL REVISE



■ Key operation

<DOWN> : Shifting to ETC.(+)

<UP> : Shifting to PANEL-2 ADJ (+)

<SEL> : MASK ON/OFF

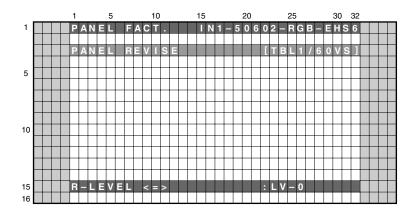
<SET> : Shifting to the next nested layer

В

С

D

Ε



■ Key operation

<DOWN> : Shifting to the next item
<UP> : Shifting to the previous item
<RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of PANEL REVISE>

5

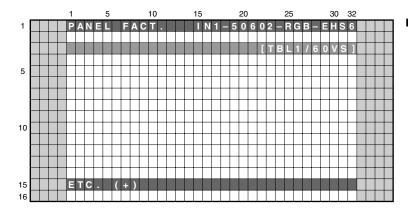
No.	Items	Adjustment/Setting Value	Remarks
1	R-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RRL
2	G-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RGL
3	B-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RBL

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8. ETC.

В

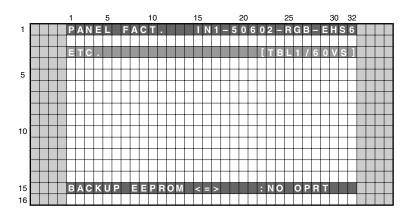


■ Key operation

<DOWN> : Shifting to MASK SETUP (+)
<UP> : Shifting to PANEL REVISE (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of ETC.>

No.	Items	Adjustment/Setting Value	Remarks			
1 BA	BACKUP DATA <=>	<=>NO OPRT<=>TRANSFER<=>	"ERR" is indicated when no data are in the backup EEPROM. To activate the option to select TRANSFER, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)			
2	DIGITAL EEPROM <=>	<=>NO OPRT<=>REPAIR/DELETE<=>	"DELETE" is indicated when the main unit has been already adjusted. To activate the option to select REPAIR/DELETE, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)			
3	DIGITAL EEPROM <=> <= PD INFO. <=> <= SD INFO. <=> <= HR-MTR INFO. <=> <= PM/B1-B5 <=> <=	<=>NO OPRT<=>CLEAR<=>				
4	SD INFO. <=>	<=>NO OPRT<=>CLEAR<=>	To activate the option to select CLEAR, repeatedly			
5	HR-MTR INFO. <=>	<=>NO OPRT<=>CLEAR<=>	press the SET key about 5 seconds.			
6	PM/B1-B5 <=>	<=>NO OPRT<=>CLEAR<=>	(There is a situation resting more than 5 seconds.)			
7	P-COUNT INFO. <=>	<=>NO OPRT<=>CLEAR<=>				

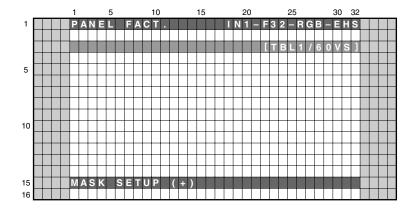
- "NO OPRT" is selected when this submode is entered (to avoid accidental misoperation).
- When each item is set, the process starts then the unit shifts to the upper layer. (When NO OPRT is determined, the unit will shift to the upper layer without doing anything.)
- When data are set to be backed up, if the digital EEPROM has not been adjusted, do the operation of LED pattern No. 7.

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9. MASK SETUP

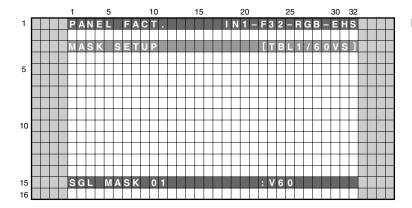


■ Key operation

<DOWN> : Shifting to PANEL INFORMATION

<UP> : Shifting to ETC. (+) <SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next MASK : Shifting to the previous MASK <UP> <RIGHT> : Changing MASK sequence (+) <LEFT> : Changing MASK sequence (-) <SET> : Determining the setting value

and shifting to the upper layer

: MASK ON/OFF <SEL>

<Lower-layer items of MASK SETUP>

No.	Items	Adjustment/Setting Value	Remarks		
1	MASK OFF		Equivalent to MKS+S00		
2	SGL MASK 01 <=>		Equivalent to MKS+S01		
3	SGL MASK 02 <=>	<=>48V<=>50V<=>60V<=> 60P<=>70P<=>72V<=>75V<=>	Equivalent to MKS+S02		
4	•••		•••		
5	CMB MASK 09 <=>		Equivalent to MKC+S08		
6	CMB MASK 10 <=>		Equivalent to MKC+S09		

• With the keys <LEFT> and <RIGHT>, the Panel drive sequence in the MASK indication is changed in the following way: <=>48V<=>50V<=>60V<=>72V<=>75V<=>60P<=>70P<=>

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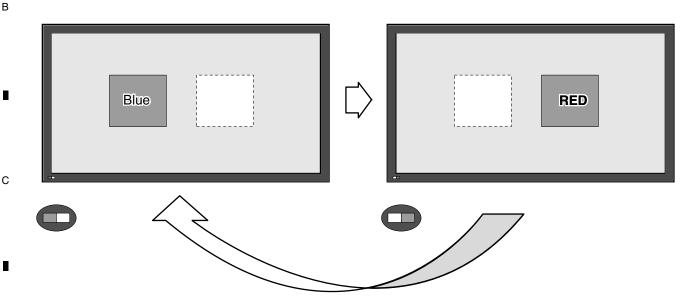
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7.1.5 OPERATION WHEN THE MEDIA RECEIVER IS NOT CONNECTED

As the connection conditions of the system cables (MDR cable, DVI cable) are usually detected, if no connection, such as cable disconnection, is detected, a warning indication (alternate flashing of the red and blue areas) is displayed on the mask screen, and the red and green LEDs flash alternately. Then after about 30 seconds, the power is automatically turned off.



Alternate flashing at intervals of about 1 second

To operate the panel without the Media Receiver, there are the following two ways:

1. Operation-without-the-Media-Receiver mode

Input the "SYS S00" RS232C command. The status of the LEDs changes to that in normal operation mode.

Note: Turning the AC switch to OFF then ON also maintains this mode. However, once the unit is connected with the Media Receiver using the System cable, this mode is automatically canceled.

2. DVI mode

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Turn the unit on while DVI SG signals are being input with only the DVI connecter connected. After a warning is displayed for about 5 seconds, the unit is ready to display the screen of the input signal. (Blue LED lit)

Notes: • Although the output from XGA (43 inch) and WXGA (50 inch) can be input to the unit, this is not a mode open to general users. (With some signals, errors such as power-down may occur.)

7.1.6 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM

Function: To prevent a power-down from being generated, operation of only the digital-signal processing and audio circuits are enabled, and power is not supplied to the panel driving system (large-signal system).

Usages: 1. In a case where a check is required of signals' being correctly output to the driving systems during a repair, etc.

- 2. In a case where diagnosis is required for judging whether the power to the large-signal system or small-signal system has been down when a power-down occurred
- Methods: 1. Short-circuit the points (see Fig. 4 below) on the face and on the reverse side of the HD DIGITAL Assy.
 - 2. Issue the "DRV S00" RS-232C command. (Command for turning the function off: DRV S01)

Notes: • When the power to the large-signal system is off, as the PD signal is muted, power-downs other than PS_PD are not activated.

- As soon as the clips are removed while the power to the large-signal system is off, a power-down will occur. Be sure to turn the power off before removing the clips.
- While this function is activated with RS-232C commands, it is possible to issue "DRV S01" (for turning the function off) while the power is on. However, as it may damage the unit, turn the power off before issuing the "DRV S01" command.
- Although the "DRV S00/S01" RS-232C commands are valid during Standby mode, once the main power is turned off, the unit will return to "DRV S01."

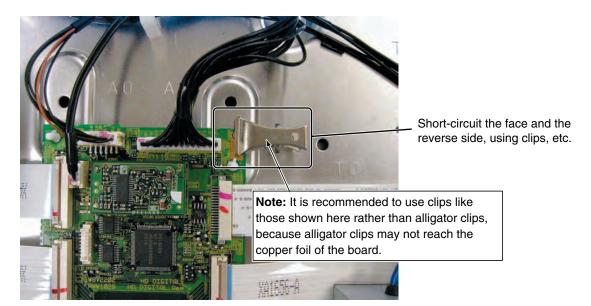


Fig. 4 Position of DRIVE OFF

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Outline

Adjustment data set at the factory are stored in the EEPROM (IC****/4K) on the HD DIGITAL Assy. Those adjustment data are automatically backed up in the EEPROM (backup EEPROM: IC****) on the HD AUDIO Assy. Therefore, even if the HD DIGITAL Assy is replaced, the adjustment data can be restored by copying the backup data, which enables you to omit newly performing adjustments on the main unit.

Data to be backed up

- Voltage margin adjustment values
- Data on the hour meter
- Upper limit of power-adjustment value
- Data on the pulse meter
- Panel WB adjustment values
- Serial number
- Drive waveform adjustment values
- Data of the P-ON counter
- PD/SD histories

How to copy the backup data

1. When the HD DIGITAL Assy is replaced with that for service (normal servicing) (In a case where no data are on the DIG. EEP, and backup data have been adjusted)

Command: "BCP" (Effective during FAY) Factory Menu

PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT >> (right)

- · After the HD DIGITAL Assy is replaced with that for service, check that "DIG. EEP: NO DATA!" is displayed on the Panel Information screen of the Factory Menu.
- If this command is not executed, the red LED lights, and the blue LED flashes. to warn you that copying of the backup adjustment data for the main unit failed.
- If both the HD DIGITAL Assy and HD AUDIO Assy are to be replaced, first replace the HD AUDIO Assy and set the unit to Standby mode. Then replace the HD DIGITAL Assy.

- 2. In a case where a HD DIGITAL Assy that was mounted on another unit is to be reused as a service part.
- Command: "FAJ" (Effective during FAY)

Factory Menu: PANEL FACT => ETC => DIGITAL EEPROM: DELETE

PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT ▼ (down) DIGITAL EEPROM: NO OPRT >> (right)

DIGITAL EEPROM: REPAIR [set] (Press and hold for 5 seconds.)

BACKUP DATA: TRANSFER [set] (Press and hold for 5 seconds.)

> • If the HD DIGITAL Assy of Unit 1 is mounted to be reused in Unit 2 to be repaired, and Unit 2 enters Standby mode, the adjustment data and histories stored in Unit 1 are erased, and those of Unit 2 are copied. Once overwritten, the original data will not be restored. After the Assy is replaced, be sure to enter Factory mode, using the remote control unit for servicing, and perform the procedures described herein. Or, before mounting an Assy to be reused as a service Assy, perform these procedures then mount it on the product to be repaired.

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3. In a case where the HD DIGITAL Assy is replaced with one for servicing because of a defective EEPROM on the original Assy and manual adjustments are to be performed

(In a case where no data are stored in the HD DIGITAL Assy or as backup, and the values that have been manually adjusted on Service Menu are to be applied as adjustment data for the main unit)

Command: "UAJ" (Effective during FAY) Factory Menu

5

PANEL INFORMATION

▼ (down)

▼ (down)

ETC. (+)

[set]

BACKUP DATA: NO OPRT

▼ (down)

DIGITAL EEPROM: NO OPRT

>> (right)

DIGITAL EEPROM: REPAIR

[set] (Press and hold for 5 seconds.)

5

• If the HD DIGITAL Assy with which adjustment data for the main unit have been copied is mounted, the above procedures are not necessary after manual adjustment.

(The indication "DIGITAL EEPROM: REPAIR" will not be displayed.)

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■ Clearing data on various histories when the HD DIGITAL Assy is replaced

Other than adjustment data for the main unit, data to be backed up include the accumulated power-on time and a history of defective parts, which are data updated and stored in memory. Among those data, some are required to be cleared when the HD DIGITAL Assy is replaced for servicing, as shown below:

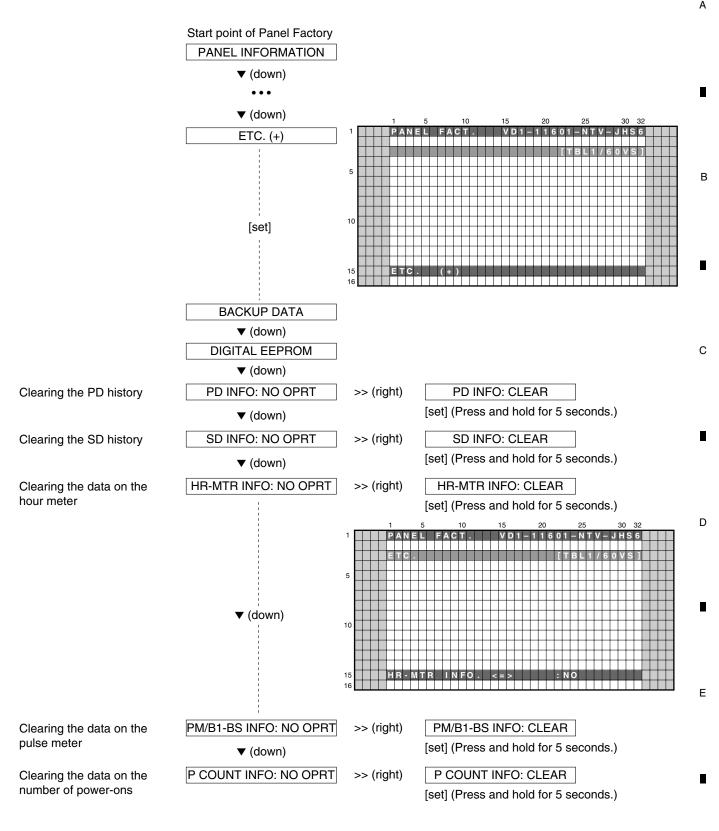
		Т	RS-232C			
Item	Backed-up data	Panel Replacement of the power-supply block		Others	command	
Hour meter	Accumulated display	To be cleared	Not to be cleared	Not to be cleared	СНМ	
SD history	Point where an SD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CSD	
PD history	Point where a PD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CPD	
Pulse meter	Accumulated number of pulses of the Panel (5 blocks)	To be cleared (essential)	Not to be cleared	Not to be cleared	СРМ	
Accumulated number of power-ons	Accumulated number of RELAY_ONs	Not to be cleared	To be cleared (essential)	Not to be cleared	CPC	

- 1: With the PDP-506P/436P and subsequent models, because various compensation functions use pulse-meter data for calculating compensation values, if related Assys are replaced, data on various histories must be cleared.
- 2: To clear data using RS-232C commands, after entering Factory mode (by sending FAY or PFY), issue a corresponding command. Otherwise, the command will not be executed.

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■ How to clear the history for each item on the Factory Menu

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С

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1 Rear Case (436)

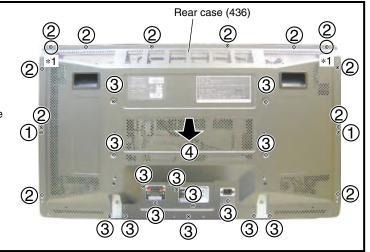
- (1) Remove the two screws.
 - (2) Remove the tweleve screws.
 - Remove the fourteen screws.

Note *1:

When reassembling, first secure the screws for these holes to position the rear case (436) correctly.

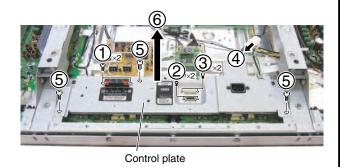
The hole of a left side, the screw tighten the hole of the right side next first.

(4) Remove the rear case (436).

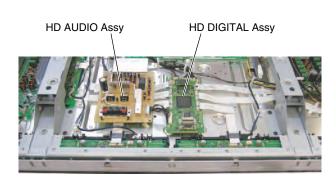


2 Control Plate Section

- (1) Remove the two screws.
- (2) Remove the two screws.
 - 3 Remove the two hexagon head screws.
 - (4) Disconnect the connector.
 - (5) Remove the three screws.
 - (6) Remove the control plate.





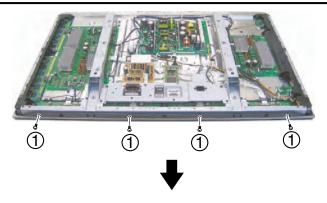


Ε

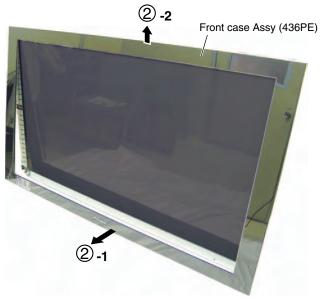


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1 Remove the four screw rivets.



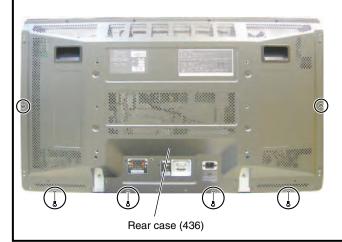
(2) Remove the front case Assy (436PE).



When only the front case assy (436PE) is to be removed

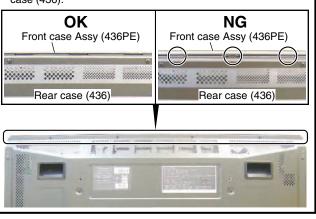
The front case assy (436PE) can be removed without removing the rear case (436) beforehand.

Remove the two screws and four screw rivets shown below:



Note when the front case assy (436PE) is to be reattached

- ① Hook the upper part of the Front Case Assy (436PE) on the upper part of the Front Panel, leaving a fist-sized gap between the bottom and the lower part of the Front Case Assy.
- ② Push the couplers of the Front Case Assy (436PE) into the rear case (436).
- 3 Make sure that all the couplers have been pushed into the rear case (436).



1

PDP-436PE 7

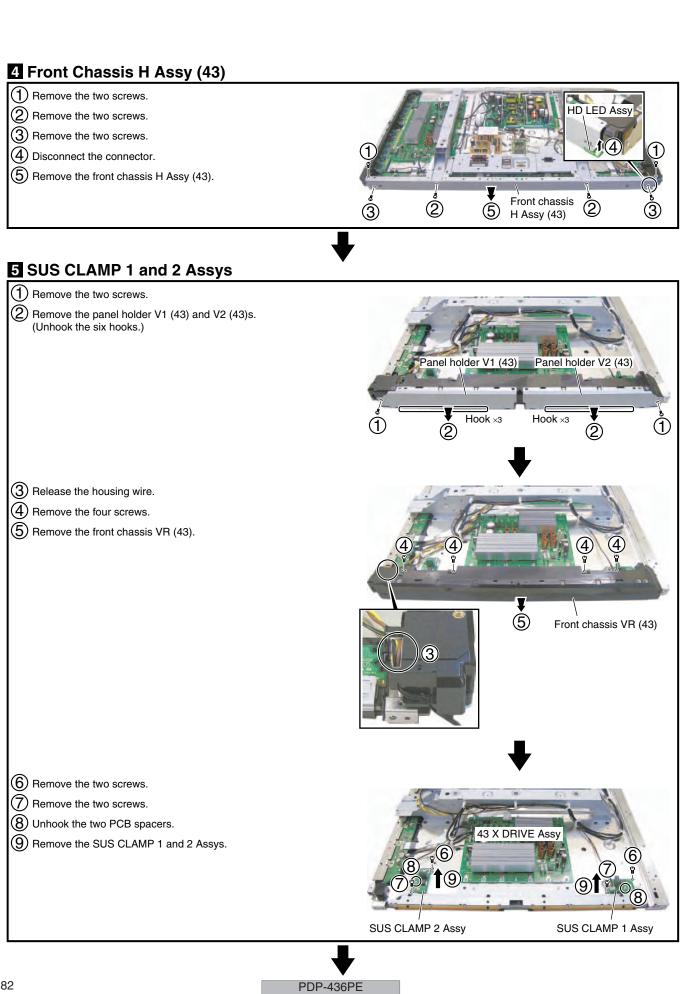
8

81

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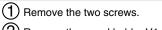
В

С

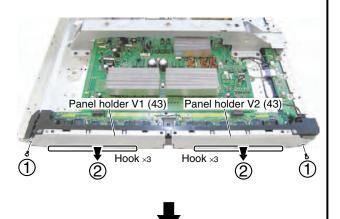
D



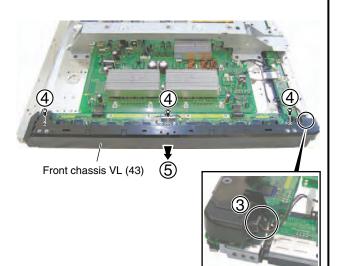
6 43 SCAN A and B Assys



Remove the panel holder V1 (43) and V2 (43)s. (Unhook the six hooks.)

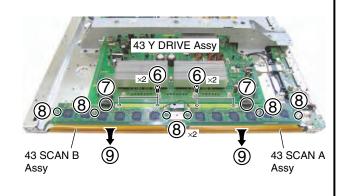


- Release the housing wire.
- $\stackrel{\textstyle ullet}{4}$ Remove the three screws.
- (5) Remove the front chassis VL (43).





- 6 Remove the four screws.
- Disconnect the two pin connectors.
- 8 Unhook the six PCB spacers.
- Remove the 43 SCAN A and B Assys.



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7.2 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

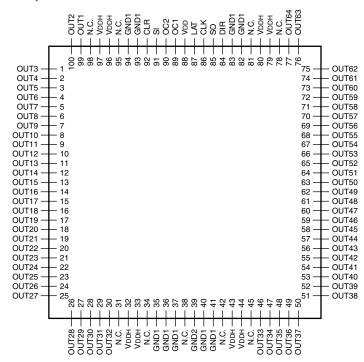
List of IC

SN755870PZT, TC7SH08FUS1, TC74VHC00FTS1, AXF1143, AXF1145, TC74VHC08FTS1, AXF1144, M62334FP, TC74VHC123AFTS1, PST3610UR, PEG122C, NJW1183L

■ SN755870PZT (43 SCAN A ASSY : IC2701 - IC2706) (43 SCAN B ASSY : IC2801 - IC2806)

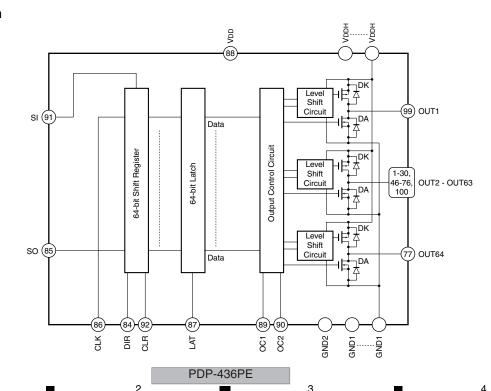
• Plasma Display Panel IC

Pin Arrangement (Top view)



Block Diagram

D



• Pin Function

5

No.	Pin Name	I/O	Pin Function				
1 - 30	OUT3 - OUT32	0	High-voltage push-pull output				
31	N.C.	_	Not connected				
32 - 33	VDDH	_	High-voltage circuit supply				
34	N.C.	-	Not connected				
35 - 37	GND1	-	Ground				
38	N.C.	-	Not connected				
39	GND2	-	Ground				
40 - 41	GND1	-	Ground				
42	N.C.	-	Not connected				
43 - 44	VDDH	_	High-voltage circuit supply				
45	N.C.	-	Not connected				
46 - 77	OUT33 - OUT64	0	High-voltage push-pull output				
78	N.C.	_	Not connected				
79 - 80	VDDH	_	High-voltage circuit supply				
81	N.C.	_	Not connected				
82 - 83	GND1	_	Ground				
82 - 83 GND1 84 DIR 85 SO		I	Setup of shift register shift direction L = Shift into reverse (SO \rightarrow SI) H = Shift forward (SI \rightarrow SO)				
85	85 SO		Serial data input / output				
86	CLK	I	Serial clock input Fetch SI or SO data to shift regist	er by CLK rise edge			
87	LAT	I	LAT data input L = Transfer shift register data to output latch H = H	lold data to output latch			
88	VDD	-	Logic supply				
89	OC1	I	Output control	OC1 OC2 OUT L L ALL Hi-Z			
90	OC2	I	Control output according to the right truth value table	L H DATA H L ALL L H H ALL H			
91	SI	I/O	Serial data input / output				
92	CLR	I	All output reset CLR pin : L \rightarrow Normal operation C	LR pin : H \rightarrow All output High			
93 - 94	GND1	_	Ground				
95	N.C.	_	Not connected				
96 - 97	VDDH	_	High-voltage circuit supply				
98	N.C.	_	Not connected				
99 - 100	OUT1 - OUT2	0	High-voltage push-pull output				

85

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В

С

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PDP-436PE

8

TC7SH08FUS1 (43 SCAN B ASSY : IC2807)

• 2-input AND Gate

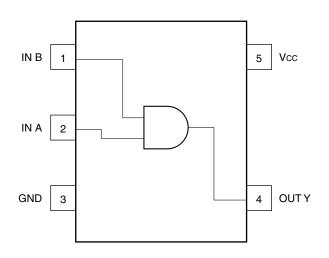
В

С

• Pin Arrangement (Top view) / Block Diagram

• Truth Table

3

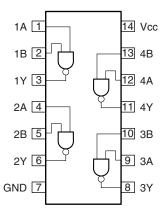


Α	В	Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	Н

■ TC74VHC00FTS1 (43 X DRIVE ASSY : IC1002)

• Quad 2-Input NAND Gate

□ ● Block Diagram



• Truth Table

Α	В	Υ
L	L	Н
L	Н	Н
Н	L	Н
Н	Н	L

Ε

86

PDP-436PE

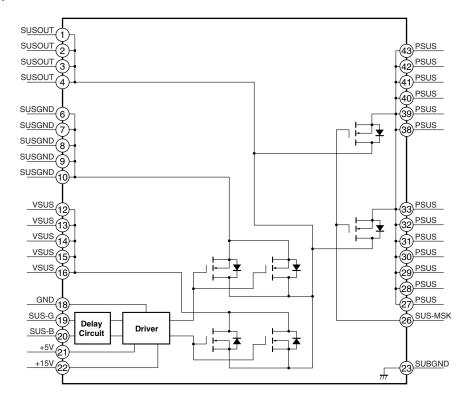
3

■ AXF1143 (43 X DRIVE ASSY : IC1202)

• X Mask Module

5

Block Diagram

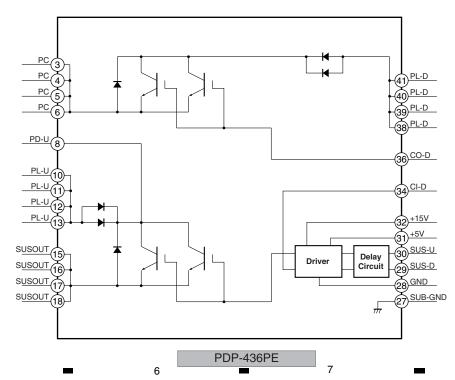


■ AXF1145 (43 X DRIVE ASSY : IC1101) (43 Y DRIVE ASSY : IC2101)

• DK Module

Block Diagram

5



87

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В

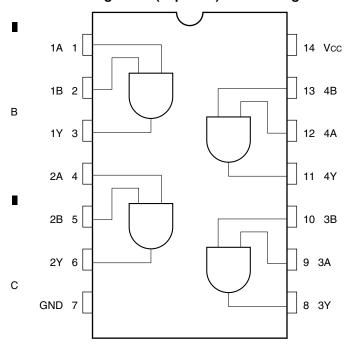
С

D

■ TC74VHC08FTS1 (43 Y DRIVE ASSY : IC2003, IC2005)

• Quad 2-input AND Gate

• Pin Arrangement (Top view) / Block Diagram



• Truth Table

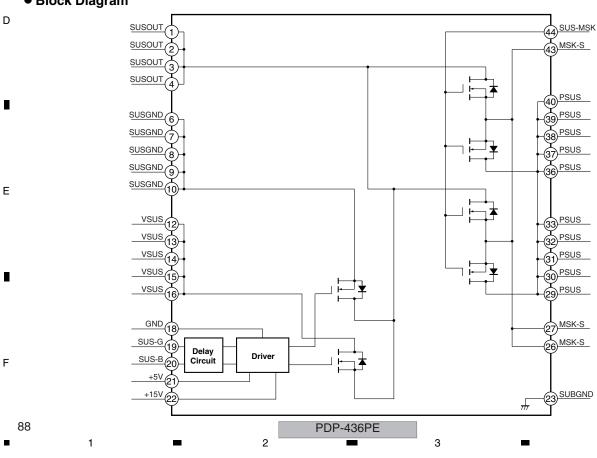
3

Α	В	Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	Н

■ AXF1144 (43 Y DRIVE ASSY : IC2252, IC2253)

Y Mask Module

Block Diagram

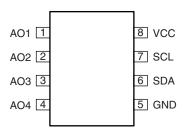


■ M62334FP (HD DIGITAL ASSY : IC3157)

• 8-bit 4ch I2C Bus D-A Converter with Buffer Amplifier

Pin Arrangement (Top view)

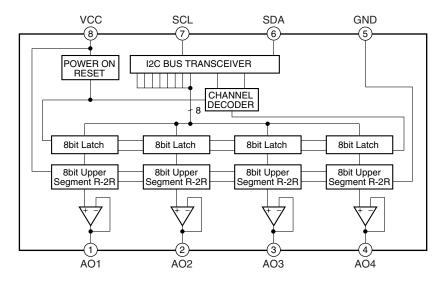
5



• Pin Function

No.	Pin Name	Pin Function			
1	AO1				
2	AO2	S hit recolution D. A conventor cutout			
3	AO3	8-bit resolution D-A converter output			
4	AO4				
5	GND	Ground			
6 SDA		Serial data input			
7	SCL	Serial clock input			
8	vcc	Power supply			

Block Diagram

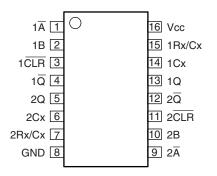


■ TC74VHC123AFTS1 (HD DIGITAL ASSY : IC3160)

• Dual Monostable Multivibrator/AFN/AFT Retriggerble

• Pin Arrangement (Top view)

5



Truth Table

	Inputs	i	Out	puts	Note		
Ā	В	CLR	Q	Q			
٦	Н	Н	Л	T	Output enable		
Х			L	Н	Inhibit		
Н	н х н		L	Н	Inhibit		
L			Л	T	Output enable		
L	Н	ſ	Л	T	Output enable		
Х	Х	L	L	Н	Reset		

X: Don't care

89

В

С

D

Е

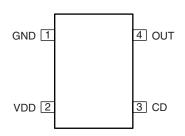
PDP-436PE

- - - - -

3

■ PST3610UR (HD DIGITAL ASSY : IC3304) • Reset IC

• Pin Arrangement (Top view)

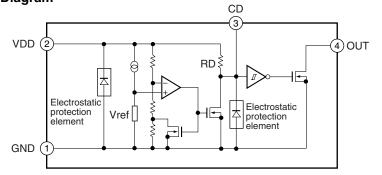


• Pin Function

No.	Pin Name	Pin Function				
1	GND	Ground				
2	VDD	Power supply / Voltage detection				
3	CD	Capacitor connect pin for delay				
4	OUT	Reset signal output				

Block Diagram

В



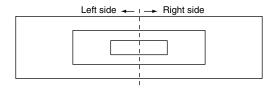
90

Ε

PDP-436PE

■ PEG122C (HD DIGITAL ASSY : IC3401) • LSI for PDP video processing (SEQUENCE PROCESSOR)

• Pin Arrangement (Top view)



● Left side (Top view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	
Α	BAI5	GAI1	GAI4	GAI9	RAI4	RAI9	BBI0	BBI6	GBI1	GBI5	RBI1	RBI7	TRNSEND1	Α
В	BAI4	GAI0	GND33	GAI8	RAI3	RAI8	HDI	BBI5	GBI0	GDN33	RBI0	RBI6	TRNSEND0	В
С	BAI3	BAI9	VDD33	GAI7	RAI2	RAI7	VDI	BBI4	BBI9	VDD33	GBI9	RBI5	VDD33	С
D	BAI2	BAI8	GAI3	GAI6	RAI1	RAI6	DEI	BBI3	BBI8	GBI4	GBI8	RBI4	RBI9	D
Ε	BAI1	BAI7	GAI2	GAI5	RAI0	RAI5	DCLKI	BBI2	BBI7	GBI3	GBI7	RBI3	RBI8	E
F	BAI0	BAI6	PEAK	APLDT	THEATER	GND12	VDD12	BBI1	VDD12	GBI2	GBI6	RBI2	VDD12	F
G	XSCAN20	XSCAN19	XSCAN18	XSCAN17	XSCAN16	VDD12								G
Н	XSCAN15	XSCAN14	XSCAN13	XSCAN12	XSCAN11	VDDTC12								Н
J	XSCAN10	GND33	VDD33	XSCAN9	GNDTC12	VDD12								J
Κ	XSCAN8	XSCAN7	XSCAN6	XSCAN5	XSCAN4	VDDTC12								Κ
L	XSCAN3	XSCAN2	XSCAN1	XSCAN0	GND12	VDD12					GND12	GND12	GND12	L
M	XSUS10	XSUS9	XSUS8	XSUS7	GNDTC12	VDD12					GND12	GND12	GND12	М
N	XSUS6	GND33	VDD33	XSUS5	GND12	VDD12					GND12	GND12	GND12	N
Ρ	XSUS4	XSUS3	XSUS2	XSUS1	XSUS0	VDDTC12					GND12	GND12	GND12	Р
R	ADRS0	ADRS1	ADRS2	ADRS3	GNDTC12	VDD12					GND12	GND12	GND12	R
Т	TEST_I0	GND33	VDD33	TEST_I1	TEST_I2	TEST_R					GND12	GND12	GND12	Т
U	TXOUTM063	TXOUTP063	GNDLA	VDDLA	GNDLA	VDDL12								U
٧	TXCLKOUTM06	TXCLKOUTP06	GNDLA	VDDLA	GNDLA	VDDLA								٧
W	TXOUTM062	TXOUTP062	GNDLA	VDDLA	GNDLA	VDDLA								W
Υ	TXOUTM061	TXOUTP061	GNDLA	VDDLA	GNDLA	VDDL12								Y
AA	TXOUTM060	TXOUTP060	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	AA
AΒ	TXOUTM073	TXOUTP073	GNDLA	VDDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDBG	REFIN	AB
AC	TXCLKOUTM07	TXCLKOUTP07	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	AC
AD	TXOUTM072	TXOUTP072	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	AD
ΑE	TXOUTM071	TXOUTP071	GNDLA	TXOUTP033	TXCLKOUTP03	TXOUTP032	TXOUTP031	TXOUTP030	TXOUTP023	TXCLKOUTP02	TXOUTP022	TXOUTP021	TXOUTP020	ΑE
ΑF	TXOUTM070	TXOUTP070	GNDLA	TXOUTM033	TXCLKOUTM03	TXOUTM032	TXOUTM031	TXOUTM030	TXOUTM023	TXCLKOUTM02	TXOUTM022	TXOUTM021	TXOUTM020	AF

• Right side (Top view)

	14	15	16	17	18	19	20	21	22	23	24	25	26	_
4	CLKD	VSSPA	EXDI011	EXDI09	EXA4	EXA10	EXA2	EXA16	EXA20	CSCS_N1	CSCS_N2	CSIOSCK1	CSIORXD	
3	CSRD_N	VCCPA	EXDI04	GND33	EXA3	EXA9	EXA1	EXA15	EXA19	CSCS_N0	GND33	TCRAM_MONITOR0	TCRAM_MONITOR1	1
;	CLKS	CLK_MONI	EXDI012	VDD33	EXDI00	EXA8	CSWR_N	EXA14	EXA18	UARTRXD	VDD33	TCRAM_MONITOR2	CSIORQ]
	VSSPB	EXDI014	EXDI05	EXDI02	EXDI08	EXA7	EXA0	EXA13	EXA17	UARTTXD	CS10TXD	RESETX	SDIJTAG	
	VCCPB	EXDI07	EXDI013	EXDI010	EXDI01	EXA6	EXA11	EXA12	CSEXWAIT_N	SDITRST_N	SDITCK	SDIDBI_N	SDITMS]
	LPFMONI	EXDI015	EXDI06	EXDI03	VDD12	EXA5	VDD12	GND12	SDITDO	SDITDI	GP1000	GPI001	GPI002]
								VDD12	GPI003	GPI004	GPI005	GPI006	GPI007	
								VDDTC12	YSCAN20	YSCAN19	YSCAN18	YSCAN17	YSCAN16	
								VDD12	GNDTC12	YSCAN15	VDD33	GND33	YSCAN14	1
								VDDTC12	YSCAN13	YSCAN12	YSCAN11	YSCAN10	YSCAN9	1
	GND12	GND12	GND12					VDD12	GND12	YSCAN8	YSCAN7	YSCAN6	YSCAN5	1
	GND12	GND12	GND12					VDD12	GNDTC12	YSCAN4	YSCAN3	YSCAN2	YSCAN1	1
	GND12	GND12	GND12					VDD12	GND12	YSCAN0	VDD33	GND33	VSUS10]
	GND12	GND12	GND12					VDDTC12	YSUS9	YSUS8	YSUS7	YSUS6	VSUS5	1
	GND12	GND12	GND12					VDD12	GNDTC12	YSUS4	YSUS3	YSUS2	VSUS1]
	GND12	GND12	GND12					YSUS0	RSV1	RSV0	VDD33	GND33	AFE_PS_N	1
				•				VDDL12	GNDLA	VDDLA	GNDLA	TXOUTP050	TXOUTM050]
								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP051	TXOUTM051	1
								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP052	TXOUTM052	1
								VDDL12	GNDLA	VDDLA	GNDLA	TXCLKOUTP05	TXCLKOUTM05	1
	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP053	TXOUTM053	1
}	VREF12	GNDBG	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDLA	GNDLA	TXOUTP040	TXOUTM040	1
;	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP041	TXOUTM041	1
)	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	TXOUTP042	TXOUTM042	1
	TXOUTP013	TXCLKOUTP01	TXOUTP012	TXOUTP011	TXOUTP010	TXOUTP003	TXCLKOUTP00	TXOUTP002	TXOUTP001	TXOUTP000	GNDLA	TXCLKOUTP04	TXCLKOUTM04	1
=	TXOUTM013	TXCLKOUTM01	TXOUTM012	TXOUTM011	TXOUTM010	TXOUTM003	TXCLKOUTM00	TXOUTM002	TXOUTM001	TXOUTM000	GNDLA	TXOUTP043	TXOUTM043	1

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8

В

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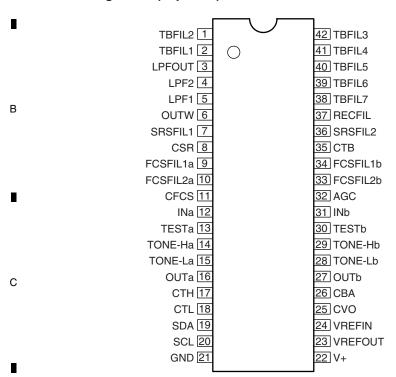
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1 2 3 4

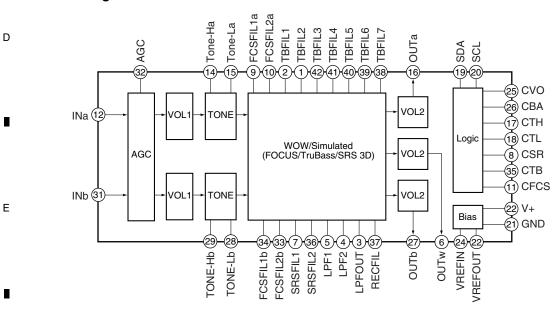
NJW1183L (HD AUDIO ASSY : IC3753)

• FOCUS & SRS IC

Pin Arrangement (Top view)



Block Diagram



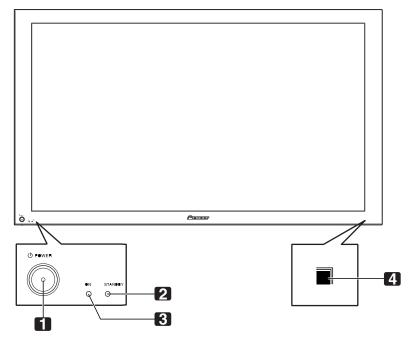
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PDP-436PE

8. PANEL FACILITIES

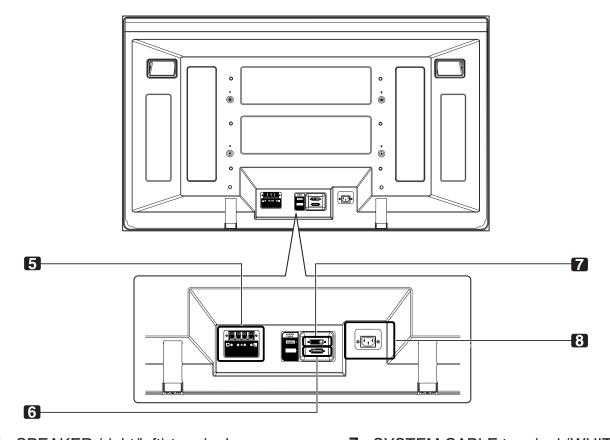
Front view



- 1 POWER button
- 2 STANDBY indicator

- 3 POWER ON indicator
- 4 Remote control sensor

Rear view



- 5 SPEAKER (right/left) terminals
- **6** SYSTEM CABLE terminal (BLACK)
- 7 SYSTEM CABLE terminal (WHITE)
- 8 AC IN terminal

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PDP-436PE

■ Jigs list

В

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Jig No.	Jig Name	Remarks	
GGF1475	Special Communication Device	See to "6.2 RS-232C COMMAND".	

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PDP-436PE

Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3267

PLASMA DISPLAY

PDP-506PU PDP-506PU

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-506PE	WYVI	AC220 - 240V	
PDP-506PU	KUCXC	AC120V	

Note:

Media Receivers up to Generation 5 (G5) cannot be connected with this unit. Be sure to use a Media Receiver of Generation 6 (G6) (ex.: PDP-R06**, etc.).



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

■ Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis.

The following precautions should be observed:

- When service is required, even though the PDP UNIT an isolation transformer should be inserted between the power line and the set in safety before any service is performed.
- 2. When replacing a chassis in the set, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistor-capacitor, etc.
- 3. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
 - 4. Always use the manufacture's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
 - 5. Before returning a serviced set to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacture has become defective, or inadvertently defeated during servicing. Therefore, the following checks should be

performed for the continued protection of the customer and

- 6. Perform the following precautions against unwanted radiation and rise in internal temperature.
- Always return the internal wiring to the original styling.
- Attach parts (Gascket, Ferrite Core, Ground, Rear Cover, Shield Case etc.) surely after disassembly.
- 7. Perform the following precautions for the PDP panel.
- When the front case is removed, make sure nothing hits the panel face, panel corner, and panel edge (so that the glass does not break).
- Make sure that the panel vent does not break. (Check that the cover is attached.)
- Handle the FPC connected to the panel carefully.

 Twisting or pulling the FPC when connecting it to the connector will cause it to peel off from the panel.
- 8. Pay attention to the following.
- Pay extreme caution when the front case and rear panel are removed because this may cause a high risk of disturbance to TVs and radios in the surrounding.

F

2

servicetechnician.

PDP-506PE

Leakage Current Cold Check

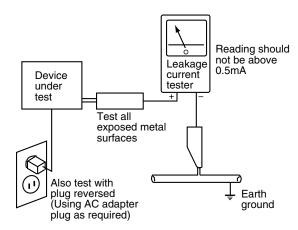
With the AC plug removed from an AC power source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC 500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (input/output terminals, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of $0.3 M\Omega$ and a maximum resistor reading of $5 M\Omega$. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into an AC power source (do not use an isolation transformer for this check).

Turn the AC power switch on.

Using a "Leakage Current Tester (Simpson Model 229 equivalent)", measure for current from all exposed metal parts of the cabinet (input/output terminals, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE SET TO THE CUSTOMER.

5

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in PIONEER set have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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■ Charged Section

The places where the commercial AC power is used without passing through the power supply transformer.

If the places are touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. Therefore, be sure to connect the set via an insulated transformer and supply the current.

B 1. Power Cord

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- 2. AC Inlet
- 3. Power Switch (S1)
- 4. Fuse (In the POWER SUPPLY Unit)
- 5. STB Transformer and Converter Transformer (In the POWER SUPPLY Unit)
- 6. Other primary side of the POWER SUPPLY Unit

■ High Voltage Generating Point

The places where voltage is 100V or more except for the charged places described above. If the places are touched, there is a risk of electric shock.

If the procedures described in "7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM" are performed before the power is turned off, the voltage will be discharged in about 30 seconds.

1. POWER SUPPLY Unit	(205V)
2. 50 X DRIVE Assy	(-180V to 205V)
3. 50 Y DRIVE Assy	(500V)
4. 50 SCAN A Assy	(500V)
5. 50 SCAN B Assy	(500V)
6. SUS CLAMP 1 Assy	(-180V to 205V)
7. SUS CLAMP 2 Assy	(-180V to 205V)

: Part is Charged Section.

 Part is the High Voltage Generating Points other than the Charged Section.

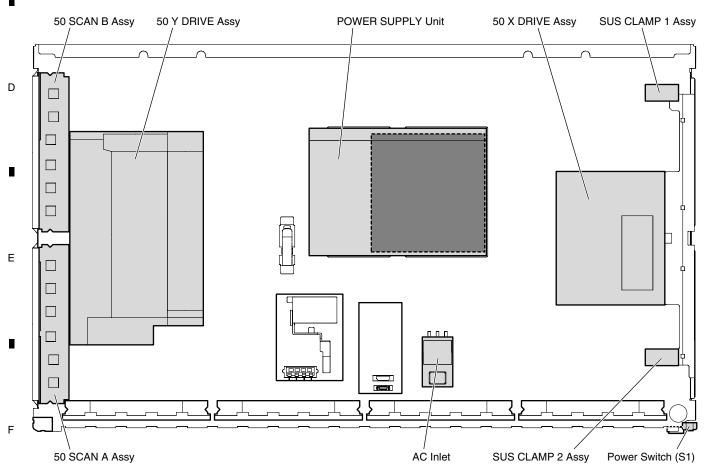


Fig.1 Charged Section and High Voltage Generating Point (Rear View)

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1) Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

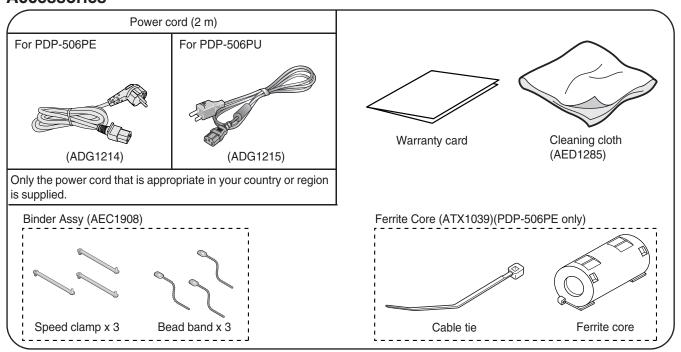
Item	50" Plasma Display, Model: PDP-506PE	50" Plasma Display, Model: PDP-506PU
Number of Pixels	1280 × 768 pixels	1280 × 768 pixels
Audio Amplifier	13 W + 13 W (1 kHz, 10 %, 8Ω)	13 W + 13 W (1 kHz, 10 %, 8Ω)
Surround System	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass
Power Requirement	220 - 240 V AC, 50/60 Hz, 344 W (0.4 W Standby)	120 V AC, 60 Hz, 355 W (0.2 W Standby)
Dimensions	1224 (W) × 717 (H) × 92 (D) mm	1224 (W) × 717 (H) × 92 (D) mm (48 3/16 (W) × 28 1/4 (H) × 3 5/8 (D) inches)
Weight	31.8 kg (70.1 lbs.)	31.8 kg (70.1 lbs.)

• Design and specifications are subject to change without notice.

Trademarks

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Accessories



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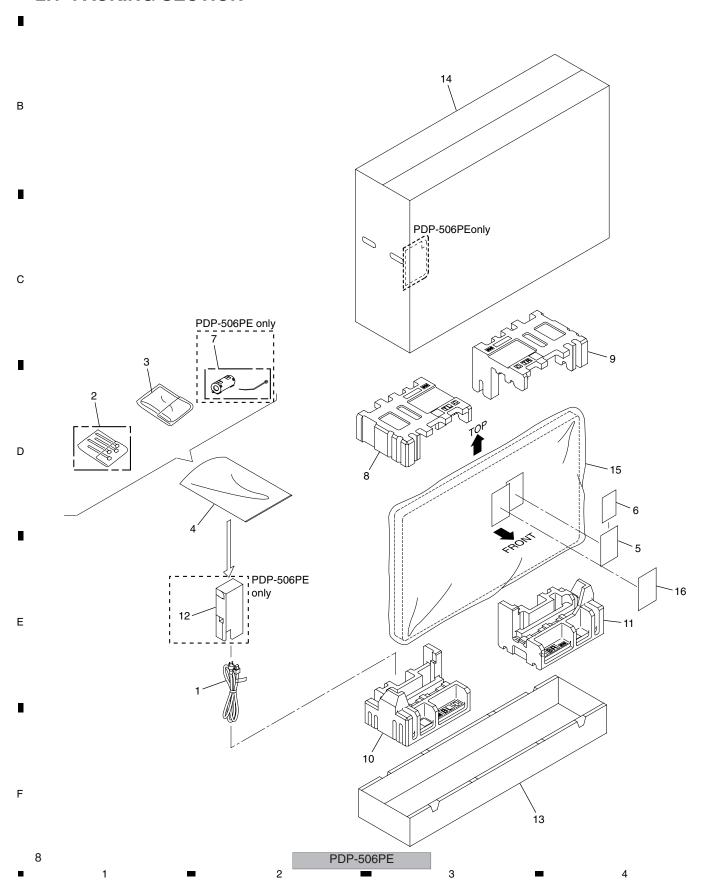
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

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(1) PACKING SECTION PARTS LIST

Mark	<u>No.</u>	<u>Description</u>	Part No.
<u> </u>	1	Power Cord	See Contrast table (2)
	2	Binder Assy	AEC1908
	3	Cleaning Cloth	AED1285
	4	Polyethylene Bag S	See Contrast table (2)
NSP	5	Catalogue Bag	See Contrast table (2)
NSP	6	Warranty card	See Contrast table (2)
₫.	7	Ferrite Core	See Contrast table (2)
	8	Pad (50T-L)	See Contrast table (2)
	9	Pad (50T-R)	See Contrast table (2)
	10	Pad (50B-L)	See Contrast table (2)
	11	Pad (50B-R)	See Contrast table (2)
	12	Power Cord Case	See Contrast table (2)
	13	Under Carton	See Contrast table (2)
	14	Upper Carton	See Contrast table (2)
	15	Mirror Mat	See Contrast table (2)
	16	Caution Card	See Contrast table (2)

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
<u> </u>	1	Power Cord	ADG1214	ADG1215
	4	Polyethylene Bag S	AHG1338	AHG1348
NSP	5	Catalogue Bag	AHG1340	AHG1347
NSP	6	Warranty Card	ARY1114	ARY1145
<u> </u>	7	Ferrite Core	ATX1039	Not used
	8	Pad (50T-L)	AHA2427	AHA2459
	9	Pad (50T-R)	AHA2428	AHA2460
	10	Pad (50B-L)	AHA2429	AHA2461
	11	Pad (50B-R)	AHA2430	AHA2462
	12	Power Cord Case	AHC1073	Not used
	13	Under Carton (50)	AHD3344	Not used
	13	Under Carton (506PU)	Not used	AHD3379
	14	Upper Carton (506PE)	AHD3345	Not used
	14	Upper Carton (506PU)	Not used	AHD3383
	15	Mirror Mat	AHG1284	AHG1352
	16	Caution Card	ARM1232	ARM1239

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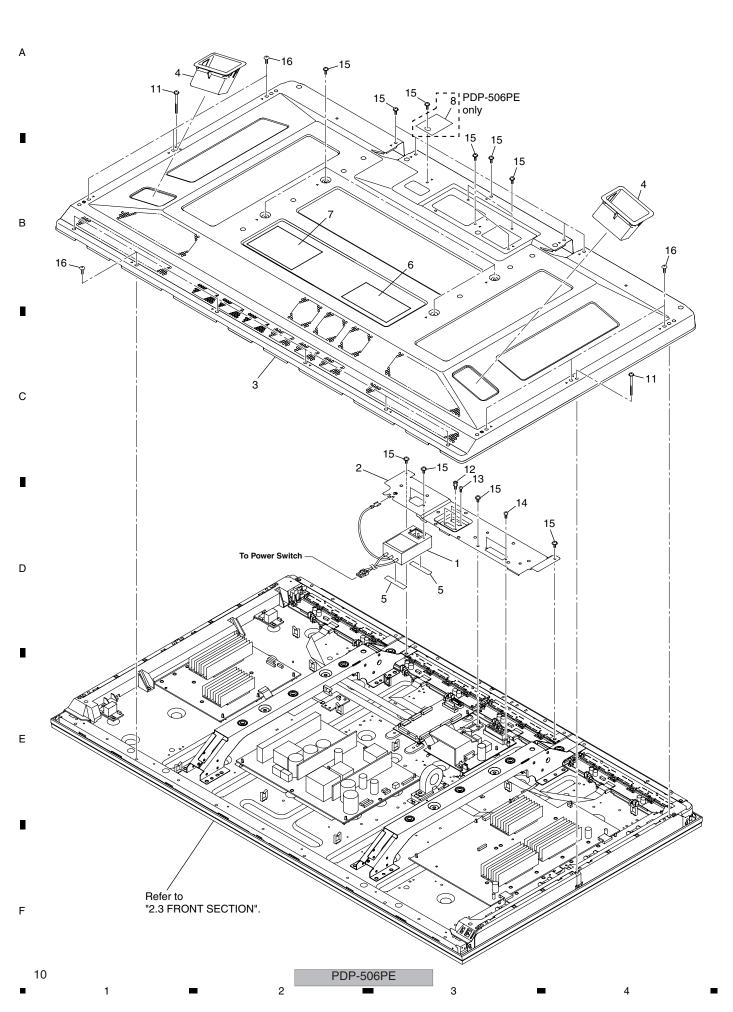
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(1) REAR SECTION PARTS LIST

Mark N	lo.	<u>Description</u>	Part No.	
<u> </u>	1	AC Inlet	AKP1274	
	2	Control Plate	AND1185	Α
	3	Rear Case (506)	ANE1639	
	4	Inner Grip Assy	AMR3434	
	5	AC Cushion	AEC2035	
NSP	6	Model Label	See Contrast table (2)	
	7	Caution Label	See Contrast table (2)	
	8	AC Label PE	See Contrast table (2)	
	9	••••		
1	10	••••		
1	11	Screw (3 x 40P)	ABA1332	В
1	12	Hexagon Head Screw	BBA1051	
1	13	Screw	PMZ26P060FTB	
1	14	Screw	BPZ30P080FTB	
1	15	Screw	AMZ30P060FTB	
1	16	Screw	TBZ40P080FTB	

(2) CONTRAST TABLE
PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
NSP	6	Model Label (506PE)	AAL2661	Not used
NSP	6	Model Label (506PU)	Not used	AAL2679
	7	Caution Label	AAX3117	AAX3075
	8	AC Label PE	AAX3194	Not used

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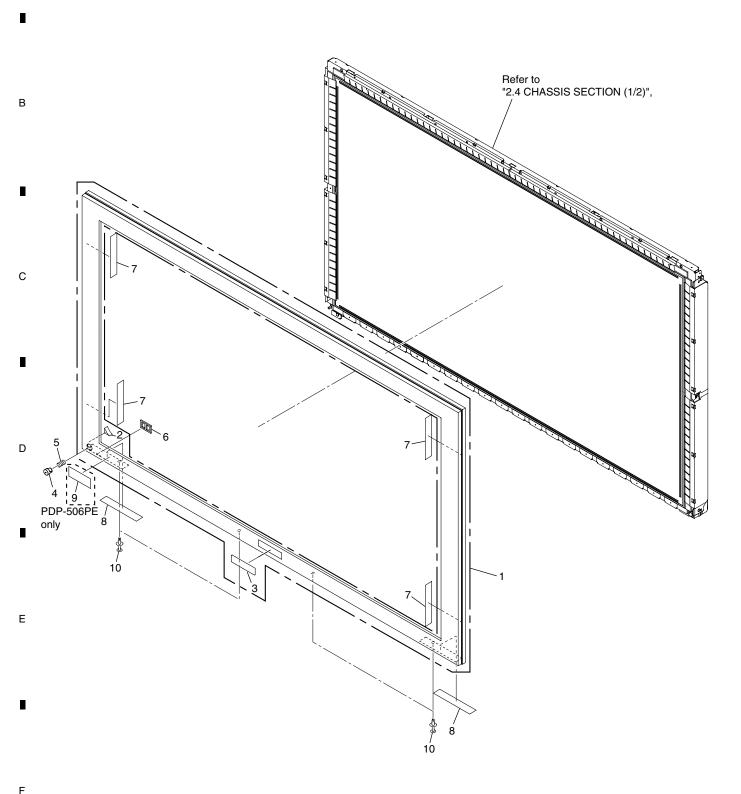
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(1) FRONT SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	
1	Front Case Assy (506PE)	AMB2861	
2	Corner Cushion	AEB1416	
3	Pioneer Name Plate	AAM1098	
4	Power Button	AAD4133	
5	Coil Spring	ABH1120	
6	Blind Cushion	AEB1415	
7	Insulation Sheet A	AED1283	
8	Insulation Sheet B	AED1284	
9	Power Display Label (506)	See Contrast table (2)	
10	Screw Rivet	AEC1877	

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC
	9	Power Display Label (506)	AAX3217	Not used

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Mark No	. <u>Description</u>	Part No.			
1	HD LED Assy	AWW1029			
2	HD IR Assy	AWW1030			
<u> </u>	Power Switch (S1)	ASG1092			
4	Housing Wire (50)(J103)	ADX3112			
5	Front Chassis VL (50)	AMA1014			
6	` '	AMA1015			
7	, ,	ANA1860			
8	Sub Frame R Assy (506)	ANA1861			
9	Front Chassis H Assy (50)	ANA1883			
10	Panel Holder H (50)	ANG2769			
11	Panel Holder V1 (50)	ANG2770			
12	` '	ANG2771			
13	Cushion	AEB1424			
14	Wire Saddle	AEC1745			
15	••••				
16	Nyron Rivet	AEC1671			
17	Screw	ABZ30P080FTC			
18		AMZ30P060FTB			
19	Screw	APZ30P080FTB			
20	Screw	BBZ30P060FTC			
21		BPZ30P080FTB			
22		TBZ40P080FTB			
23	Screw	VBB30P080FNI			

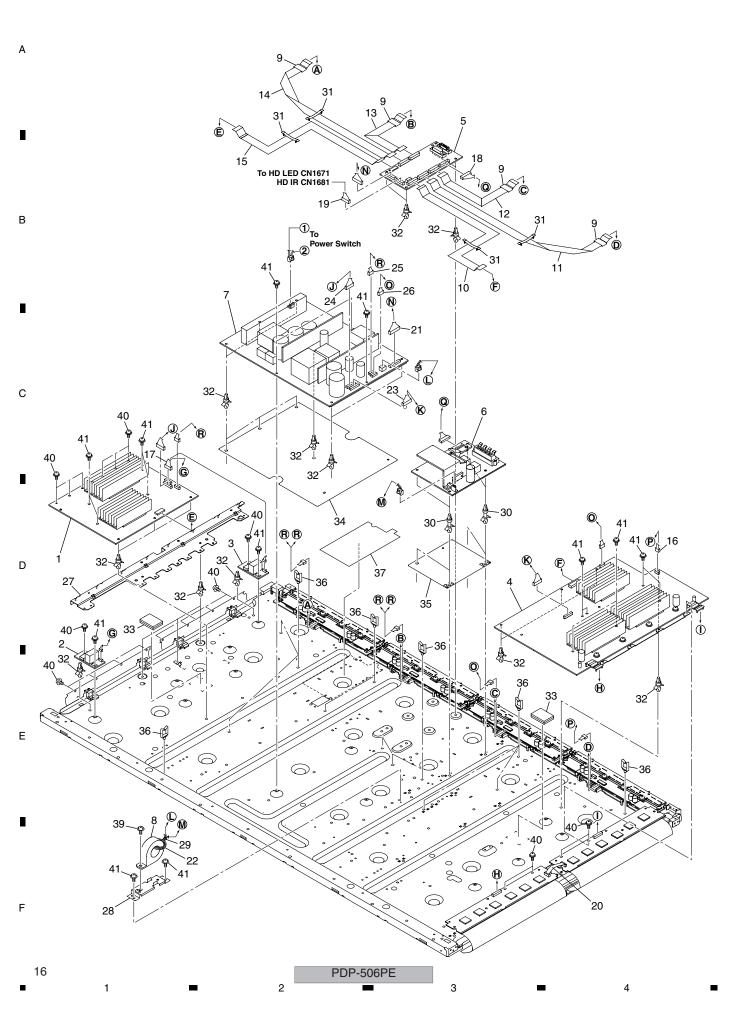
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(1) CHASSIS SECTION (2/2) PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	50 X DRIVE Assy	See Contrast table (2)	21	14P Housing Wire (J104)	ADX3158	
2	SUS CLAMP 1 Assy	AWW1022	22	3P Housing Wire (J105)	ADX3159	Α
3	SUS CLAMP 2 Assy	AWW1023	23	9P Housing Wire (J101)	ADX3186	
4	50 Y DRIVE Assy	See Contrast table (2)	24	8P Housing Wire (J102)	ADX3187	
5	HD DIGITAL Assy	AWW1028	25	5P Housing Wire (J106)	ADX3188	
6	HD AUDIO Assy	AWV2203	26	6P Housing Wire (J107)	ADX3189	_
<u>↑</u> 7	POWER SUPPLY Unit	AXY1112	27	Conductive Plate XA	ANG2776	
8	Ring Core with Case	ATX1042	28	FC Stay	ANG2815	
9	Ferrite Core	ATX1048	29	Binder	AEC-093	
10	Flexible Cable (J201)	ADD1293	NSP 30	PCB Spacer	AEC1188	
11	Flexible Cable (J202)	ADD1294	31	Flat Clamp	AEC1879	В
12	Flexible Cable (J203)	ADD1295	32	PCB Spacer	AEC1941	
13	Flexible Cable (J204)	ADD1296	33	Drive Silicone Sheet	AEH1095	
14	Flexible Cable (J205)	ADD1297	34	Power Supply Insulation Sheet	AMR3447	
15	Flexible Cable (J206)	ADD1298	35	Audio Insulation Sheet	AMR3469	
16	4P Housing Wire (J108)	ADX3117	36	Wire Saddle	AEC1745	
17	6P Housing Wire (J109)	See Contrast table (2)	NSP 37	Address Sheet	AMR3491	
18	12P Housing Wire (J110)	See Contrast table (2)	38	••••		
19	6P Housing Wire (J111)	ADX3120	39	Screw	ABA1324	
20	3P Housing Wire (J113)	See Contrast table (2)	40	Screw	PMB30P060FTC	С
			41	Screw	VBB30P080FNI	J

(2) CONTRAST TABLE

PDP-506PE/WYVI and PDP-506PU/KUCXC are constructed the same except for the following:

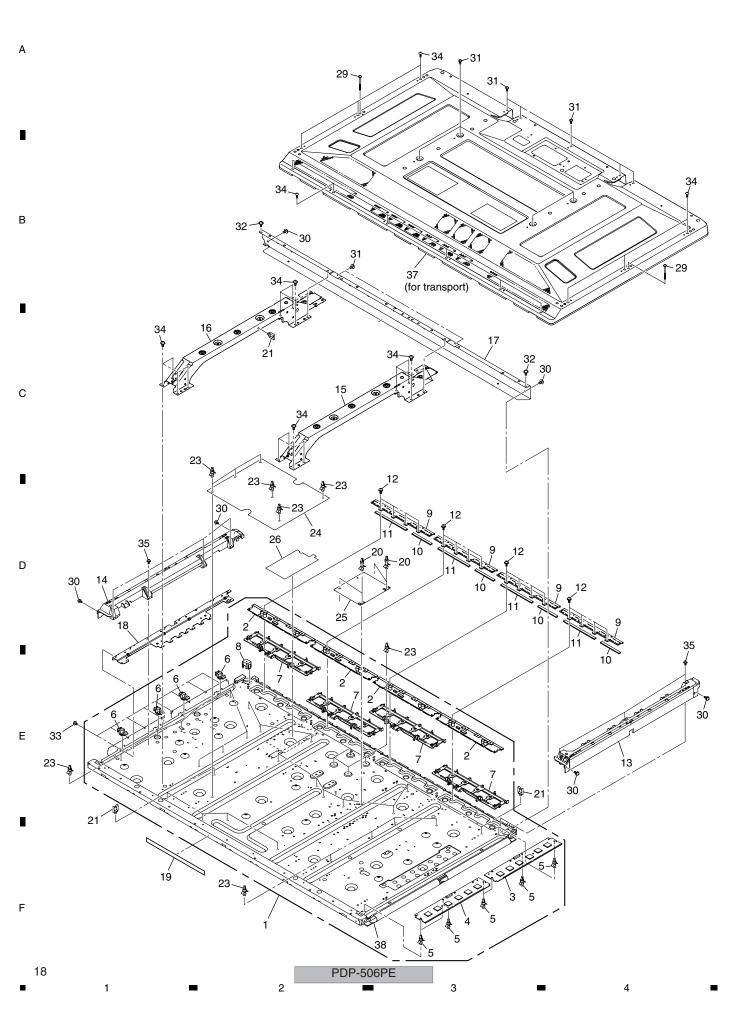
			•	•	
Mark	No.	Symbol and Description	PDP-506PE/WYVI	PDP-506PU/KUCXC	D
	1	50 X DRIVE Assy	AWW1075	AWW1020 or AWW1075	1
	4	50 Y DRIVE Assy	AWV2258	AWV2210 or AWV2258	
	17	6P Housing Wire (J109)	ADX3118	ADX3132	
	18	12P Housing Wire (J110)	ADX3119	ADX3133	
	20	3P Housing Wire (J113)	ADX3122	ADX3136	

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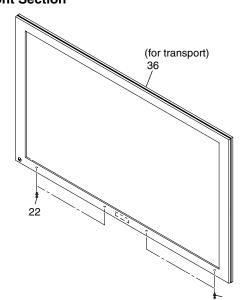
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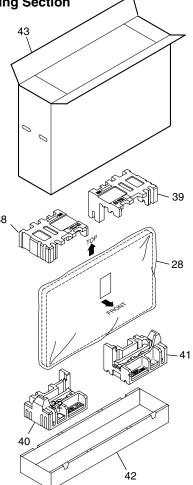
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• Front Section



Packing Section



Note when replacing with the PDP Service Assy 506P

The Power Switch (S1), HD LED Assy, and HD IR Assy are not included in the PDP Service Assy 506P. Before replacement with the PDP Service Assy 506P, the following components of the Service Assy must be temporarily detached to attach the above-mentioned parts (parts from the original unit or newly purchased):

- Front Chassis H Assy (50) (ANA1883)
- Front Chassis VL (50) (AMA1014)
- Front Chassis VR (50) (AMA1015)

PDP SERVICE ASSY 506P (AWU1134) PARTS LIST

Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.
NSP 1	Panel Chassis (506) Assy	AWU1143	23	PCB Spacer	AEC1941
NSP 2	50 ADDRESS Assy	AWV2208	24	Power Supply Insulation Sheet	AMR3447
NSP 3	50 SCAN A Assy	AWW1026	25	Audio Insulation Sheet	AMR3469
NSP 4	50 SCAN B Assy	AWW1027			
5	PCB Spacer	AEC1944	NSP 26	Address Sheet	AMR3491
	·		NSP 27	Chassis Assy (50)	ANA1830
6	Conductive Plate Holder	AMR3446	28	Protect Sheet	AHG1331
7	ADDRESS Holder Assy (50)	AMR3454	29	Screw (3 x 40P)	ABA1332
8	Tube Cover	AMR3445	30	Screw	ABZ30P080FTC
9	Address Heatsink (50)	ANH1635			
10	Address Silicone A	AEH1093	31	Screw	AMZ30P060FTB
			32	Screw	APZ30P080FTB
11	Address Silicone B	AEH1094	33	Screw	PMB30P060FTC
12	Screw	BBB30P120FNI	34	Screw	TBZ40P080FTB
13	Front Chassis VL (50)	AMA1014	35	Screw	VBB30P080FNI
14	Front Chassis VR (50)	AMA1015			
15	Sub Frame L Assy (506)	ANA1860	NSP 36	Front Case Assy (506 serivice)	AMB2889
				(for transport)	
16	Sub Frame R Assy (506)	ANA1861	NSP 37	Rear Case (506)	ANE1639
17	Front Chassis H Assy (50)	ANA1883		(for transport)	
18	Conductive Plate XA	ANG2776	38	Pad (50T-L)	AHA2427
19	Cushion	AEB1424	39	Pad (50T-R)	AHA2428
NSP 20	PCB Spacer	AEC1188	40	Pad (50B-L)	AHA2429
21	Wire Saddle	AEC1745	41	Pad (50B-R)	AHA2430
22	Screw Rivet	AEC1877	42	Under Carton	AHA3344
			43	Upper Carton (506 S.V.C)	AHA3430
			PDP-506PE		

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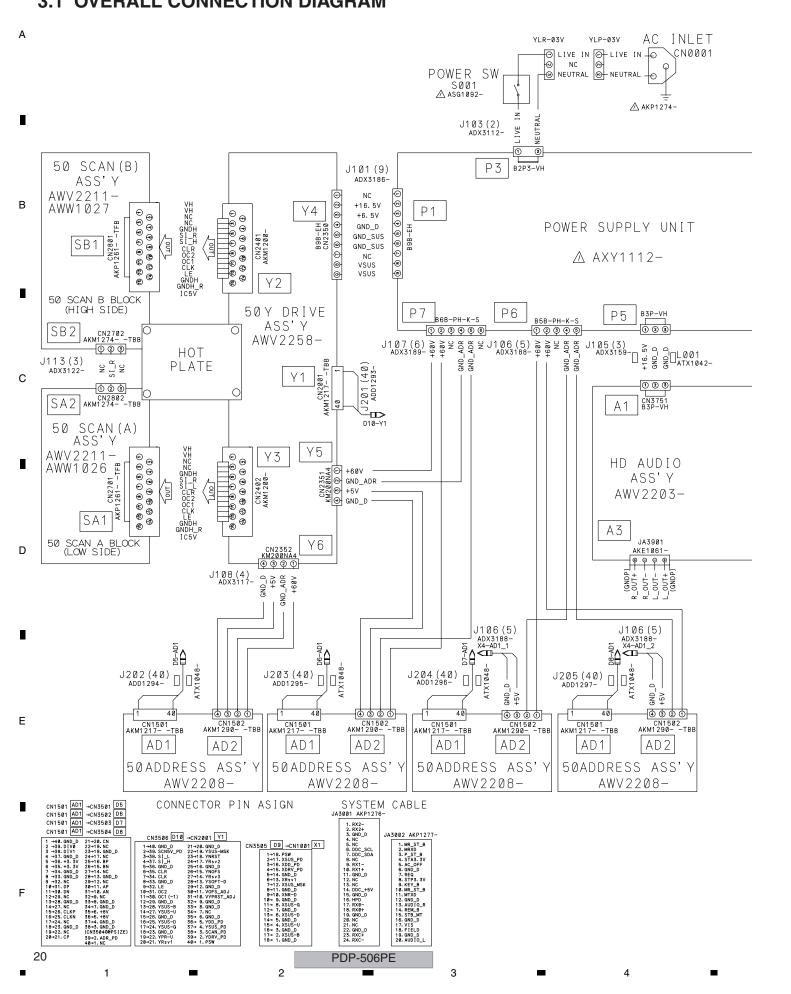
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3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM 3.1 OVERALL CONNECTION DIAGRAM

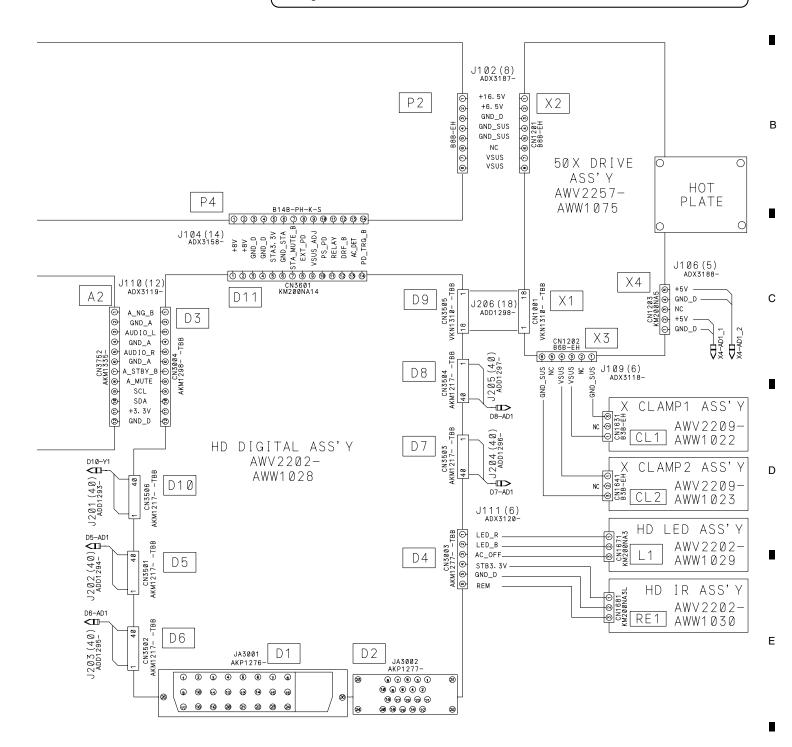


 When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".

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• The <u>Mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.</u>



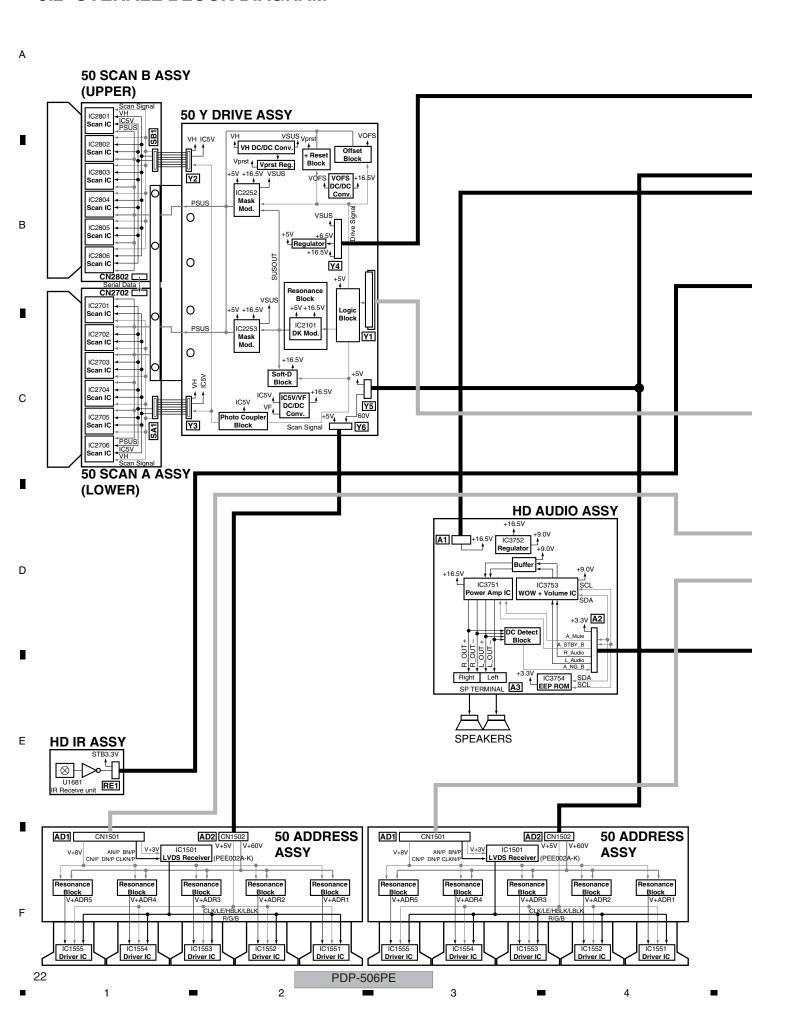
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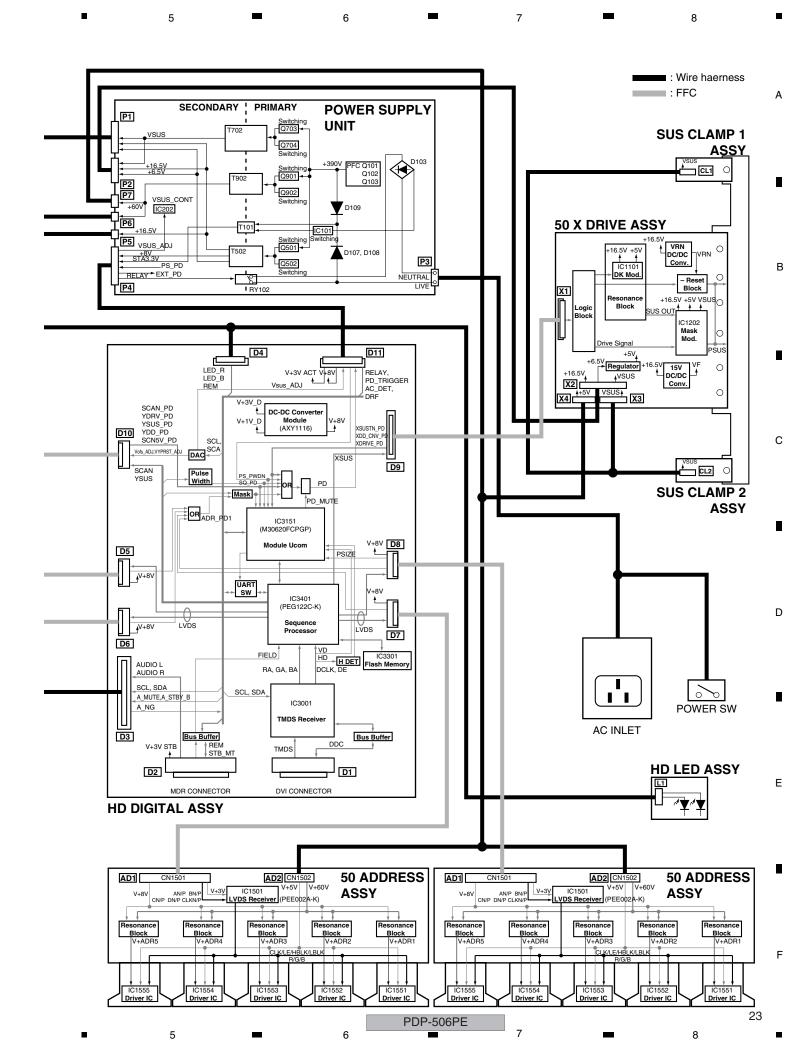
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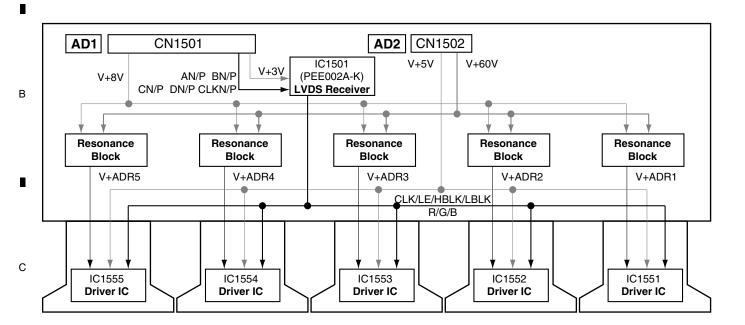
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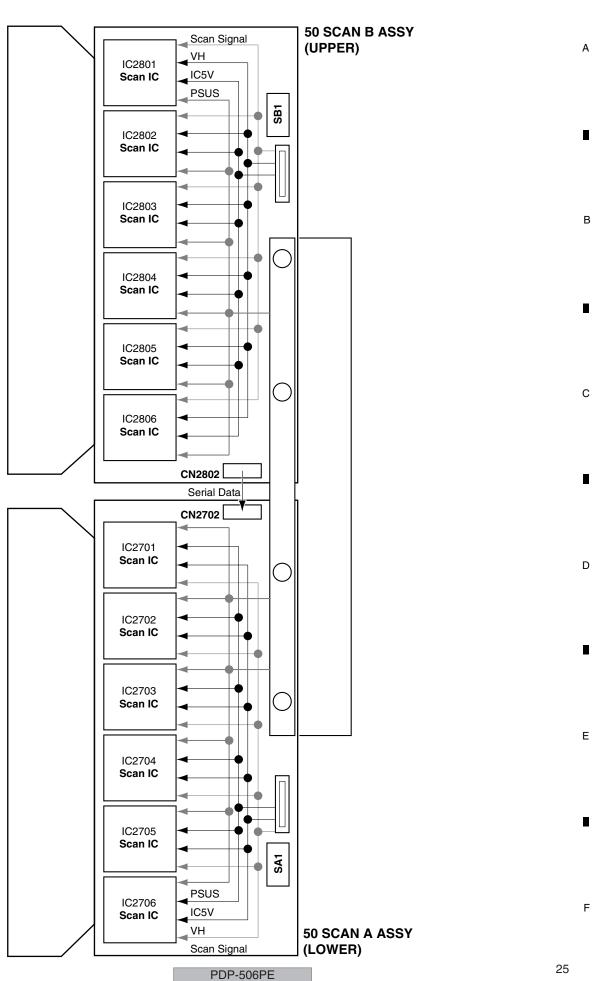
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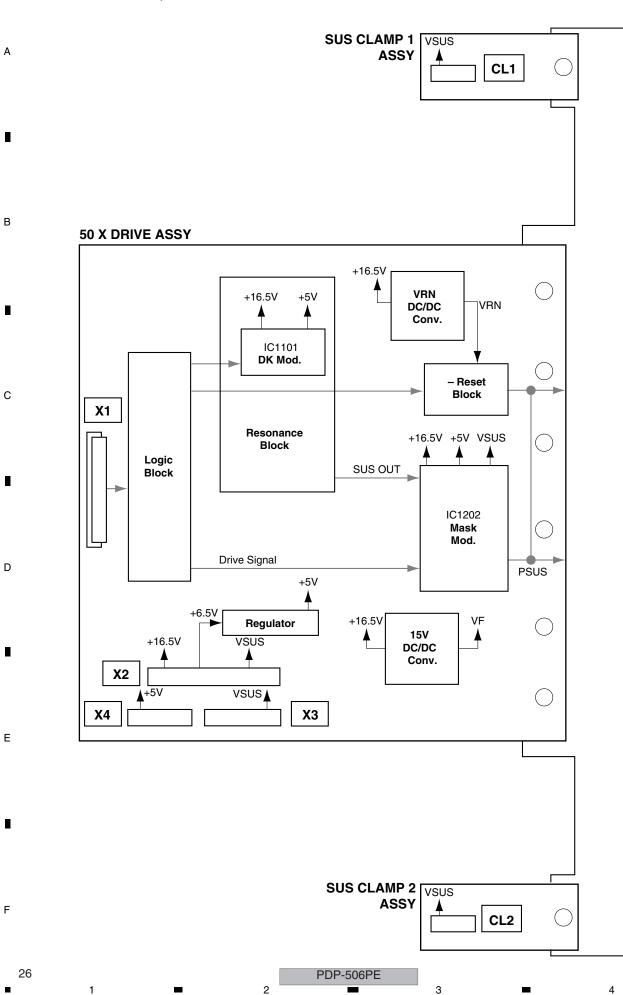
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3.4 50 SCAN A and B ASSYS



3.5 50 X DRIVE, SUS CLAMP 1 and SUS CLAMP 2 ASSYS



PDP-506PE

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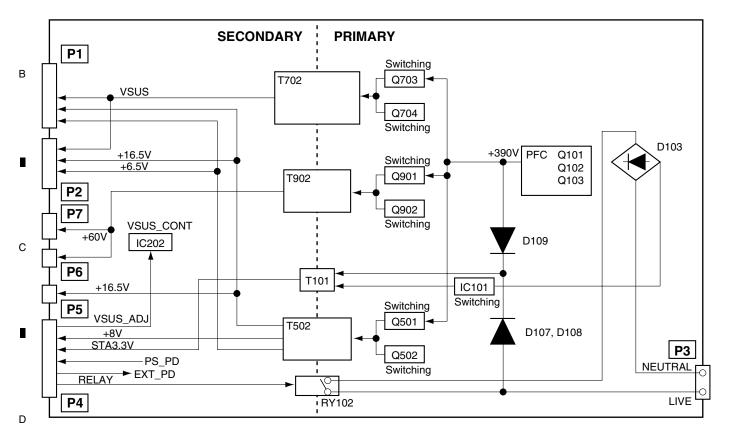
PDP-506PE

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SPEAKERS



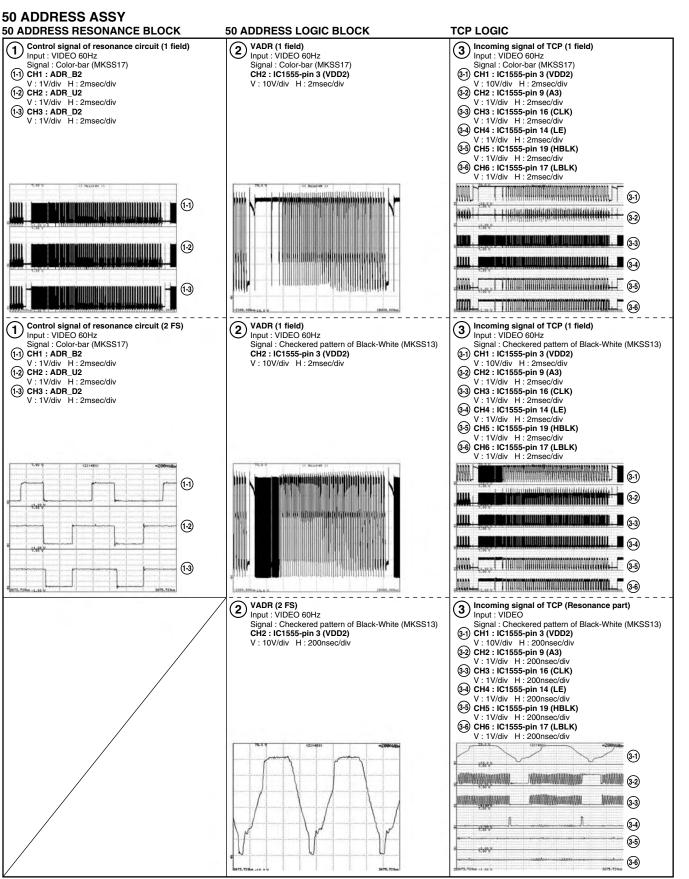
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PDP-506PE

Note: The encircled numbers denote measuring point in the schematic diagram. Refer to service manual (ARP3268).



PDP-506PE

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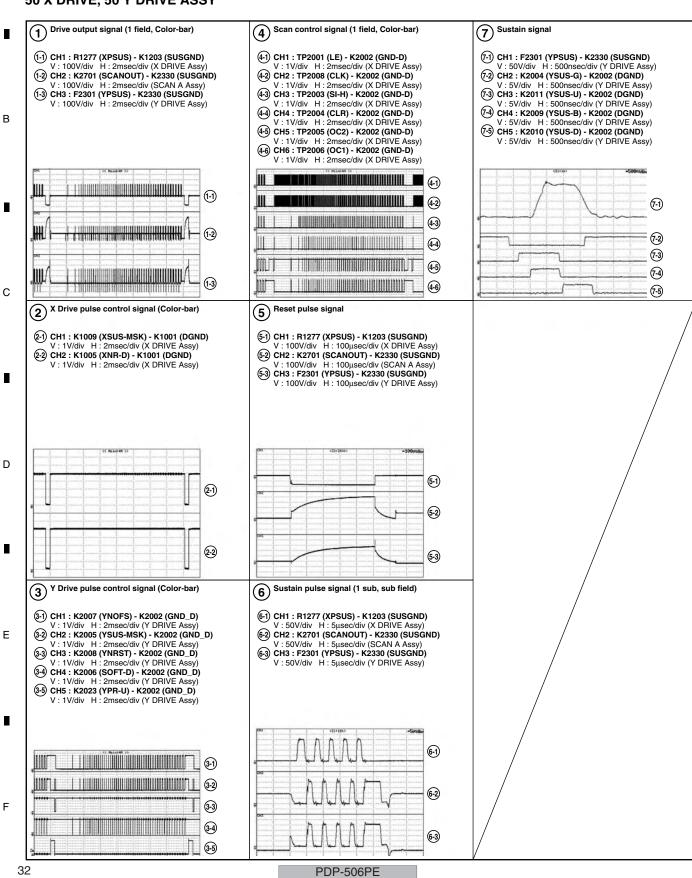
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50 X DRIVE, 50 Y DRIVE ASSY



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5. PCB PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

 Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{-1} \rightarrow 5621 \dots RN1/4PC[5][6][2][1]F$

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	PDP-506PE /WYVI	PDP-506PU /KUCXC
NSP	1PANEL CHASSIS (506) ASSY	AWU1143	AWU1143
NSP	250 ADDRESS ASSY	AWV2208	AWV2208
NSP	250 SCAN ASSY	AWV2211	AWV2211
NSP	350 SCAN A ASSY	AWW1026	AWW1026
NSP	350 SCAN B ASSY	AWW1027	AWW1027
NSP	150 X DRIVE ASSY	AWV2257	AWV2209 or AWV2257
	250 X DRIVE ASSY	AWW1075	AWW1020 or AWW1075
	2SUS CLAMP 1 ASSY	AWW1022	AWW1022
	2SUS CLAMP 2 ASSY	AWW1023	AWW1023
	150 Y DRIVE ASSY	AWV2258	AWV2210 or AWV2258
NSP	1HD DIGITAL ASSY	AWV2202	AWV2202
	2HD DIGITAL ASSY	AWW1028	AWW1028
	2HD LED ASSY	AWW1029	AWW1029
	2HD IR ASSY	AWW1030	AWW1030
	1HD AUDIO ASSY	AWV2203	AWV2203
<u> </u>	1POWER SUPPLY UNIT	AXY1112	AXY1112

50 X DRIVE ASSY

AWW1075 and AWW1020 are constructed the same except for the following:

Mark	Symbol and Description	AWW1075	AWW1020
	IC1101	AXF1142	AXF1155
	C1101	ACG1112 (0.22U/250V)	ACG1088 (0.1U/250V)
	C1106-C1110	Not used	ACE1178
	C1112, C1113 (0.22U/250V)	ACG1112	Not used
	C1161-C1164, C1166	ACE1168	Not used
	C1297, C1298 (3300p/630V)	ACG1129	Not used

50 Y DRIVE ASSY

AWV2258 and AWV2210 are constructed the same except for the following:

Mark	Symbol and Description	AWV2258	AWV2210
	IC2101	AXF1142	AXF1155
	C2103	ACG1112 (0.22U/250V)	ACG1088 (0.1U/250V)
	C2107, C2108 (0.22U/250V)	ACG1112	Not used
	C2131-C2134, C2136	ACE1168	ACE1178
	C2271	ACG1124 (0.1U/100V)	ACG1118 (0.33U/100V)
	C2272 (0.1U/100V)	ACG1124	Not used

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1 2 3 3 E PCB PARTS LIST FOR PDP-506PE/WYVI UNLESS OTHER WISE NOTED

	PCB PARTS LIST FOR P	DP-506PE/WYVIU	INLESS OTHER MISE NOTED	
	Mark No. Description	Part No.	Mark No. Description	Part No.
	50 ADDRESS ASSY		<u>CAPACITORS</u>	
Α	[50 ADR LOGIC BLOCK]		C2701,C2711,C2721 (0.1U/250V)	ACG1088
-			C2731,C2741,C2751 (0.1U/250V)	ACG1088
	SEMICONDUCTORS		C2710,C2720,C2730,C2740,C2750	CCSRCH181J50
	IC1501	PEE002A	C2760	CCSRCH181J50
			C2708,C2709,C2718,C2719	CCSRCH331J50
	COILS AND FILTERS			
	L1504 CHIP SOLID INDUCTOR	QTL1013	C2728,C2729,C2738,C2739	CCSRCH331J50
			C2748,C2749,C2758,C2759	CCSRCH331J50
	<u>CAPACITORS</u>		C2705-C2707,C2715-C2717	CCSRCH390J50
	C1501,C1502	CKSRYB105K6R3	C2725-C2727,C2735-C2737	CCSRCH390J50
	C1509,C1510	CKSSYB102K50	C2745-C2747,C2755-C2757	CCSRCH390J50
	C1503-C1507,C1551-C1555	CKSSYF104Z16		01/07/77 1071/070
_			C2703,C2713,C2723,C2733,C2743	CKSRYB105K6R3
В	<u>RESISTORS</u>		C2753	CKSRYB105K6R3
	R1530,R1531	RS1/16S0R0J	DECICTORS	
	R1505-R1509	RS1/16SS1000F	RESISTORS	
	Other Resistors	RS1/16SS###J	R2705,R2710,R2713,R2716,R2719	RAB4C221J
			R2722	RAB4C221J
	<u>OTHERS</u>		Other Resistors	RS1/16S###J
	CN1501 40P CONNECTOR	AKM1217	OTHERO	
	CN1502 PH CONNECTOR 4P	AKM1290	<u>OTHERS</u>	
			CN2702 PH CONNECTOR 3P	AKM1274
			CN2701 13P BRIDGE CONNECTOR	AKP1261
	[50 ADR RESONANCE BLOCK]			
	<u>SEMICONDUCTORS</u>			
С	IC1601,IC1602	TND307TD	50 SCAN B ASSY	
	Q1613	2SA1163		
	Q1614-Q1616	HAT1110R	<u>SEMICONDUCTORS</u>	
	Q1606,Q1608,Q1611	QSZ2	IC2801-IC2806	AN16025A
	Q1612	RN1901	IC2807	TC7SH08FUS1
			D2801-D2807	1SS355
	Q1601-Q1605	SP8M41		
_	D1612	1SS302	<u>CAPACITORS</u>	
	D1625-D1629	1SS355	C2801,C2811,C2821 (0.1U/250V)	ACG1088
	D1631-D1650	EP05FA20	C2831,C2841,C2851 (0.1U/250V)	ACG1088
	D1601,D1605,D1607,D1610,D1613	UDZS15(B)	C2810,C2820,C2830,C2840,C2850	CCSRCH181J50
	D1616,D1620,D1622	UDZS15(B)	C2860	CCSRCH181J50
D	D1010,D1020,D1022	0D2313(B)	C2808,C2809,C2818,C2819	CCSRCH331J50
_	COILS AND FILTERS		C2828,C2829,C2838,C2839	CCSRCH331J50
	L1601-L1605 SMD COIL	ATH1163	C2848,C2849,C2858,C2859	CCSRCH331J50
	LIGHT LIGHT GIVE GOIL	ATTTTOO	C2805-C2807,C2815-C2817	CCSRCH390J50
	CAPACITORS		C2825-C2827,C2835-C2837	CCSRCH390J50
	C1609 (0.1U/100V)	ACG1098	C2845-C2847,C2855-C2857	CCSRCH390J50
	C1601,C1606,C1610 (0.068U/100V)	ACG1123		
-	C1611,C1614 (0.068U/100V)	ACG1123	C2803,C2813,C2823,C2833,C2843	CKSRYB105K6R3
	C1602-C1605 (56UF/80V)	ACH1405	C2853,C2861	CKSRYB105K6R3
	C1613	CKSRYB104K25		
			<u>RESISTORS</u>	
	C1619	CKSYB105K16	R2803,R2808,R2811,R2814,R2817	RAB4C221J
Е			R2820	RAB4C221J
_	<u>RESISTORS</u>		Other Resistors	RS1/16S###J
	R1606,R1611,R1613,R1621	RS1/16SS###J		
	Other Resistors	RS1/16S###J	<u>OTHERS</u>	
			CN2802 PH CONNECTOR 3P	AKM1274
			CN2801 13P BRIDGE CONNECTOR	AKP1261
	50 00 AN A 400Y			
_	50 SCAN A ASSY			
	<u>SEMICONDUCTORS</u>		50 X DRIVE ASSY	
	IC2701-IC2706	AN16025A		
	D2701-D2707	1SS355	[50X LOGIC BLOCK]	
			<u>SEMICONDUCTORS</u>	
F			IC1001	TC74ACT541FT
•			IC1002	TC74VHC00FTS1

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PDP-506PE

Part No. CEHAT470M16 CKSRYB104K16 RAB4C470J RAB4C472J RS1/16S###J VKN1310	Mark No. Description CAPACITORS C1214-C1217 C1212,C1213 C1231 C1206 C1283 C1208 C12022,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273 C1220	Part No. ACE1178 ACH1423 CEHAT101M10 CEHAT101M25 CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50 CKSRYF104Z50	A
CKSRYB104K16 RAB4C470J RAB4C472J RS1/16S###J VKN1310	C1214-C1217 C1212,C1213 C1231 C1206 C1283 C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	ACH1423 CEHAT101M10 CEHAT101M25 CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	
CKSRYB104K16 RAB4C470J RAB4C472J RS1/16S###J VKN1310	C1212,C1213 C1231 C1206 C1283 C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	ACH1423 CEHAT101M10 CEHAT101M25 CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	
RAB4C470J RAB4C472J RS1/16S###J VKN1310	C1231 C1206 C1283 C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	CEHAT101M10 CEHAT101M25 CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	
RAB4C472J RS1/16S###J VKN1310	C1206 C1283 C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	CEHAT101M25 CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	
RAB4C472J RS1/16S###J VKN1310	C1283 C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	CEHAT2R2M2E CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	I
RAB4C472J RS1/16S###J VKN1310	C1208 C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	CEHAT470M16 CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	Ī
RS1/16S###J VKN1310	C1222,C1272 C1221 C1204,C1207,C1223,C1251,C1253 C1273	CEHAT470M25 CKSRYB105K6R3 CKSRYF104Z50	I
VKN1310	C1221 C1204,C1207,C1223,C1251,C1253 C1273	CKSRYB105K6R3 CKSRYF104Z50	I
	C1204,C1207,C1223,C1251,C1253 C1273	CKSRYF104Z50	I
	C1273		•
AXF1142		CKSRYF104Z50	
AXF1142	C1220		
AXF1142		CKSYB105K25	
ΔXF1142			
	RESISTORS		E
BA10393F	R1204	ACN1166	
2SC4116			
D1FL40	,		
	0.1.0.1.000.0.0		
ΛT∐1110	<u>OTHERS</u>		
	KN1201-KN1206 GROUND PLATE	ANK-142	
AITTIOI			
	CN1201 8P 10P POST	В8В-ЕН	
ACE1168			
ACG1112	[50X D-D CON BLOCK]		(
ACG1126			
		PS2701A-1(L)	
CKSRYB104K16	IC1326	TA76431FR	
CKSRVR105K6R3	Q1324	2SA1037K	
	Q1302	2SC4081	
ORO I DI TOOR 20	Q1301,Q1323	2SD1898	
	O1221 O1225 O1251	UN1CO1EU	
ACN1168			
RS1/10S1003F	,		
	D1301,D1302,D1326,D1327	CRH01	
	D1321	D1FK60	_
N3 1/ 103000 11	D1000 D1000	LID704D7/D\	
RS2MMF100J		` '	
RS1/16S###J	D1300,D1323,D1331	ODZ33HT(D)	
	COILS AND FILTERS		
		ATK1159	_
	<u>↑</u> T1321 SWITCHING TRANS.	ATK1160	
AXF1140	CADACITORS		
MM1565AF		ACU1420	
PS9117			
TND301S		CEHAT101M25	
TND307TD	C1301,C1303,C1323	CKSRYB103K50	Е
00004101/	C1304,C1306,C1327	CKSRYB104K16	_
	C1307,C1324	CKSYB105K25	
1SS355	DECICTORS		
CRH01	· · · · · · · · · · · · · · · · · · ·	DAR4C479 I	
LID = 0.15 (=)			
. ,	VR1321	CCP1392	
OD59940(B)	Other Resistors	RS1/16S###J	
ATH1186			
CTF1449			F
LFEA100J			•
	2SC4116 D1FL40 ATH1119 ATH1187 ACE1168 ACG1112 ACG1126 CCG1186 CKSRYB105K6R3 CKSYB105K6R3 CKSYB105K25 ACN1168 RS1/10S1003F RS1/10S1004J RS1/16S5601F RS1/16S6801F RS2MMF100J RS1/16S###J AXF1140 MM1565AF PS9117 TND301S TND307TD 2SC2412K 2SK3325-Z 1SS302 1SS355 CRH01 UDZS16(B) UDZS16(B)	ATH1119 ATH1197 ATH1187 ACRITICAL STREET ST	ACM1168

	1 -	2	3	4
	Mark No. Description	Part No.	Mark No. Description	Part No.
	SUS CLAMP 1 ASSY		C2141,C2143,C2144 C2102	CKSSYB104K10
	<u>SEMICONDUCTORS</u>	DECOLOGIA	G2102	CK31B103K23
Α	D1631	DF20L60U	RESISTORS	
	CAPACITORS		R2101 R2142,R2143	ACN1174 RS1/10S1003F
	C1632	ACE1179	R2142,R2143 R2103,R2107	RS1/10S1003F RS1/10S104J
	OTHERS		R2146,R2149	RS1/16S5601F
_	KN1632 GROUND PLATE	ANK-142	R2147,R2151	RS1/16S6801F
	CN1631 3P TOP POST	B3B-EH	R2102	RS2MMF100J
	KN1631 WRAPPING TERMINAL	VNF1084	R2108	RS3LMF100J
			Other Resistors	RS1/16S###J
	SUS CLAMP 2 ASSY		reavious pricord	
В	SEMICONDUCTORS		[50Y SUS BLOCK] SEMICONDUCTORS	
	D1641	DF20L60U	IC2252,IC2253	AXF1141
	2.011	51 202000	IC2350	MM1565AF
	CAPACITORS		IC2250	PS9117
	C1642	ACE1179	IC2231,IC2251 IC2203,IC2221	TND301S TND307TD
	OTHERS		•	
	KN1642 GROUND PLATE	ANK-142	Q2202 Q2250	2SA2142 2SC4081
	CN1641 3P TOP POST KN1641 WRAPPING TERMINAL	B3B-EH VNF1084	Q2290	2SK3050
	NIVIO41 WHALLING LEHWINAL	VIVI 1004	Q2221	2SK3325-Z
С			Q2280,Q2281	2SK3399
C	50 Y DRIVE ASSY		D2233	1SS301
	[50Y LOGIC BLOCK]		D2213 D2203,D2212,D2351	1SS302 1SS355
	SEMICONDUCTORS		D2203,D2212,D2331 D2202,D2204,D2205,D2234	CRH01
	IC2002	TC74ACT540FT	D2251,D2252,D2272	CRH01
	IC2001,IC2004	TC74ACT541FT	D2211	D1FK60
	IC2003,IC2005	TC74VHC08FTS1	D2232,D2271	UDZS16(B)
	CAPACITORS		D2250	UDZS5R6(B)
	C2003	CEHAT470M16	COILS AND FILTERS	
	C2001,C2002,C2004-C2006	CKSSYB104K10	L2353 INDUCTOR	ATH1186
D	<u>RESISTORS</u>		F2301-F2320 FERRITE BEAD F2352 INDUCTOR	ATX1055
	R2003,R2006	RAB4C101J	L2350,L2351,L2354	CTF1449 LFEA100J
	R2001,R2002,R2017,R2021 R2004,R2005,R2019,R2020	RAB4C470J RAB4C472J		
	Other Resistors	RS1/16S###J	CAPACITORS	1051170
	OTHERS		C2330,C2335,C2341,C2342 C2231 (0.33U/100V)	ACE1178 ACG1118
_	CN2001 40P CONNECTOR	AKM1217	C2271,C2272 (0.1U/100V)	ACG1124
			C2336,C2337 C2270	ACH1423 ACH1426
	[50Y RESONANCE BLOCK]		OZZ70	A0111420
	SEMICONDUCTORS		C2226 C2207	ACH1427
Ε	IC2101	AXF1142	C2355,C2369	CCSRCH102J50 CEHAT101M10
	IC2141	BA10393F	C2357	CEHAT470M16
	Q2141 D2101-D2105	2SC4081 D1FL40	C2208,C2221,C2339,C2364	CEHAT470M25
			C2356	CKSRYB104K16
	COILS AND FILTERS	ATI 14440	C2353,C2358,C2359	CKSRYB105K6R3
	L2103,L2104 CHOKE COIL L2101,L2102 CHOKE COIL	ATH1119 ATH1187	C2363 C2209,C2222,C2230,C2252	CKSRYB473K16 CKSRYF104Z50
	L2105,L2106 CHOKE COIL	ATH1187	C2250	CKSSYB104K10
	CAPACITORS		C2354,C2360	CKSYB105K25
	C2131-C2134,C2136 (3.3U/250V)	ACE1168	,	
F	C2103,C2107,C2108 (0.22U/250V)	ACG1112		
	C2104 (470p/630V) C2106	ACG1126 CCG1186		
	C2101,C2145	CKSRYB105K6R3		
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	30 1 ■	PDP-506I	<u>7</u> E	4
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Mark No.	Description	Part No.	Mark No. Description	on Part No.	
RESISTORS			CAPACITORS		
R2352		ACN1166	C2531	ACE1177	
R2304		ACN1174	C2516	ACH1360	
R2360,R2362		ACN1178	C2532	ACH1425	Α
R2277-R2279,R	R2281	ACN1241	C2513	ACH1428	
R2210,R2211		RS1/10S151J	C2520	CEHAT101M16	
R2290		RS1MMF331J	C2515	CEHAT101M25	
R2222,R2224		RS2MMF5R6J	C2528	CEHAT221M16	
R2203		RS3LMF821J	C2514,C2525,C2534	CKSRYB104K16	
Other Resistors		RS1/16S###J	C2521,C2533,C2535	CKSRYB104K25	
<u>OTHERS</u>			<u>RESISTORS</u>		
,	2 GROUND PLATE	ANK-142	R2553	RAB4C472J	
KN2354 GROU	7 GROUND PLATE	ANK-142 ANK-142	R2558 R2533,R2556	RS1/10S0R0J RS1/10S104J	
,	3 GROUND PLATE	ANK-142 ANK-142	R2533,R2536 R2534,R2535,R2541	RS1/10S2203F	В
	2 KR CONNECTOR	B4B-PH-K	R2548	RS1/16S1003F	
CN2350 9PTC	OP POST	B9B-EH	R2550	RS1/16S1802F	
			R2549,R2557	RS1/16S4702F	
			R2542,R2545	RS1/16S5601F	
[50Y SCAN BL	_		VR2503 VR2531	CCP1390	
SEMICONDUC			VH2531	CCP1392	
IC2403,IC2405,	IC2406,IC2408	PS9117	Other Resistors	RS1/16S###J	
IC2401 IC2402,IC2407		PS9851-2(P) TC74ACT540FT			
102402,102407		1074AC1540F1			
COILS AND F	ILTERS		[50Y D-D CON BLOCK]		С
L2401-L2403		LFEA100J	<u>SEMICONDUCTORS</u>		Ū
			IC2602	BA10358F	
CAPACITORS			IC2601,IC2603,IC2606	PS2701A-1(L)	
C2404,C2411		ACH1413	IC2605,IC2614	TA76431FR	
C2401,C2407,C	2414	CEHAT101M10	Q2610 Q2601,Q2609	2SA1163 2SA1576A	
	2405,C2408-C2410	CKSSYB104K10	Q2601,Q2609	25A1576A	
C2412		CKSSYB104K10	Q2608	2SA2005	
DECICTORS			Q2607	2SC2713	
RESISTORS		DAD400001	Q2612	2SC4081	
R2407,R2421 R2402.R2409		RAB4C220J RS1/10S0R0J	Q2605,Q2606	2SD1898	
Other Resistors		RS1/16S###J	Q2603,Q2604,Q2611	DTC143EUA	
Carlot Floolotoro		1101,10011110	00000 00010 00011	11014 004 511	D
OTHERS			Q2602,Q2613,Q2641 D2611	HN1C01FU 1SS226	
·	BRIDGE CONNECTOR	AKM1200	D2604,D2612	1SS301	
CN2402 15P B	BRIDGE CONNECTOR	AKM1200	D2602,D2613-D2615	1SS355	
			D2601,D2603,D2609,D2618	CRH01	
[[0](](]]	ON DI COIC				
[50Y VH D-D C	-		D2610	D1FL40	_
SEMICONDUC	CTORS		D2617	UDZS15(B) UDZS4R7(B)	
IC2531 IC2502		BA10358F	D2607,D2608 D2605	UDZS5R1(B)	
IC2502		MIP2E3DMC PS2701A-1(L)	D2616	UDZS5R6(B)	
IC2534,IC2535		TA76431FR		()	
Q2533		2SC2412K	COILS AND FILTERS		Е
			⚠T2602 CONVERTER TRANS.	ATK1156	
Q2531		2SC3425	⚠T2601 SWITCHING TRANS.	ATK1161	
Q2532		2SD2568	0.15.01505		
Q2511		HN1C01FU	CAPACITORS		
D2534 D2522,D2524		1SS355 CRH01	C2608,C2610	CEHAT221M25	
52022,52024		31 11 10 1	C2613 C2606	CEHAT221M25 CEHAT221M6R3	-
D2523,D2532		D1FK60	C2607	CKSRYB102K50	
D2533		UDZS33(B)	C2605,C2612,C2614	CKSRYB103K50	
D2536		UDZS4R7(B)	, , , , -		
D2530,D2531		UDZS8R2(B)	C2601,C2604,C2609	CKSRYB104K16	
COUCANDE	II TEDO		C2602,C2615	CKSRYB105K6R3	F
COILS AND F		ATI/4 4 5 0	C2603	CKSRYF104Z50	
<u>↑</u> T2503 CONVE L2501	HIEH IHANS.	ATK1158 LFEA101J	C2611	CKSSYB104K10	
L2301		LICATUIJ			
			PDP 506PE	37	7
			PDP-506PE		

	Mark No. Descript	ion Part No.	Mark No. Description	Part No.
	<u>RESISTORS</u>		<u>OTHERS</u>	
	R2613	RAB4C472J	CN3003 PH CONNECTOR 6P	AKM1277
	R2641,R2642	RS1/10S224J	CN3004 PH CONNECTOR 12P	AKM1298
Α	R2629	RS1/16S1002F	JA3001 DVI CONNECTOR	AKP1276
	R2625,R2626	RS1/16S1501F	JA3002 MDR CONNECTOR	AKP1277
	R2608,R2612,R2630,R2632,	R2635 RS1/16S4701F		
	R2618	RS1/16S4702F	[MODULE UCOM BLOCK]	
	R2636	RS1/16S5601F	SEMICONDUCTORS	
	R2652	RS1/16S6801F	IC3156	BR24L04FJ-W
	R2627	RS3LMF151J	IC3151	M30620FCPGP-U5C
	VR2601	CCP1390	IC3157	M62334FP
	Other Resistors	RS1/16S###J	IC3158	MM1522XU
	Other nesistors	N31/103###J	IC3155	SN74AHC08PW
В			IC3152,IC3153	SN74AHC541PW
	HD DIGITAL ASSY		IC3160	TC74VHC123AFTS1
			IC3159	TC7W126FU
	<u>OTHERS</u>		Q3151	2SJ461A
	DD CON UNIT	AXY1116	D3156,D3159,D3161-D3163	1SS355
_	REMOTE RECEIVER UNIT	RPM7240-H4	D3151,D3152,D3154,D3155,D3158	DAN202U
	HD DIGITAL ASSY		CAPACITORS .	
			C3151	ACH1357
	[TMDS RX BLOCK]		C3164	CCSSCH101J50
	SEMICONDUCTORS		C3171,C3172,C3180	CKSRYB105K6R3
	IC3002	BA8274F	C3154	CKSSYB102K50
С	IC3001	SII1169CTU	C3152,C3153,C3155-C3158	CKSSYF104Z16
	IC3004	SN74AHC32PW		
	Q3009 Q3007	2SC4081 DTA143EUA	C3160-C3163,C3165,C3166,C3170	CKSSYF104Z16
			RESISTORS	
	Q3004	DTC124EUA	R3160,R3171,R3176	RAB4C101J
	Q3005	DTC143EUA	R3174	RAB4C103J
•	Q3002,Q3006,Q3008	RN1901	Other Resistors	RS1/16S###J
	Q3003	RN2901		
	D3001,D3002	1SS355	<u>OTHERS</u>	
	D3012	DA204U	∴ X3151 CERAMIC RESONATOR	ASS1178
	D3007-D3011	RB751V-40		
D	D3003	UDZS6R8(B)		
D	2000	02200.10(2)	[PANEL FLASH BLOCK]	
	COILS AND FILTERS		<u>SEMICONDUCTORS</u>	
	F3005 CHIP SOLID INDUCT	OR QTL1011	IC3301	MBM29PL160TD75TN
	L3003 CHIP SOLID INDUCT		IC3304	PST3610UR
			IC3302,IC3305	PST3628UR
	CAPACITORS		IC3303	SN74AHC08PW
_	C3030	ACH1357	Q3302	HN1C01FU
	C3034,C3036,C3038,C3040,	C3042 ACH1396	00004	DNI4004
	C3003,C3005,C3009,C3014,	C3019 CCSRCH331J50	Q3301	RN1901
	C3046	CCSRCH470J50	CADACITORS	
	C3044,C3045	CCSSCH101J50	<u>CAPACITORS</u>	0000011470150
Е			C3311 C3317	CCSRCH470J50
_	C3001,C3008,C3011,C3020,		C3304,C3307,C3309	CCSRCH471J50 CKSRYB472K50
	C3025-C3027	CCSSCH820J50	C3305,C3310	CKSSYB102K50
	C3018,C3021,C3023,C3024 C3015-C3017,C3028,C3029	CKSRYF105Z10	C3315	CKSSYB104K10
	C3015-C3017,C3028,C3029	CKSSYF104Z16 C3039 CKSSYF104Z16	00010	0.100121011110
	03031,03032,03003,03037,	55009 CN5511104210	C3301-C3303,C3306,C3308,C3316	CKSSYF104Z16
	C3041,C3043	CKSSYF104Z16		
			RESISTORS	
	<u>RESISTORS</u>		All Resistors	RS1/16S###J
	R3007	RAB4C220J		
	R3008-R3013	RAB4C470J	<u>OTHERS</u>	
	R3018	RAB4C472J	⚠ X3302 CRYSTAL OSCILLATOR	ASS1188
F	R3021	RS1/16S3900F		
	Other Resistors	RS1/16S###J		

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lark No.	Description	Part No.	Mark No. Description	Part No.	
SQ ASIC BLO	•	<u> </u>	HD IR ASSY	<u> </u>	
EMICONDUC	-				
IC3401	ions	PEG122C	SEMICONDUCTORS		
103401		PEG1220	Q1681	2SC4116 DA204U	
OILS AND FI	ITERS		D1681	DA2040	
F3401,F3402 E		CCG1162	CAPACITORS		
,	HIP SOLID INDUCTO		C1681	CEVW470M6R3	
			C1682	CKSRYB103K50	
APACITORS			C1683	CKSSYB102K50	
C3402,C3419 (1	00UF/6.3V)	ACH1396	C1684	CKSSYF104Z16	
C3425,C3441 (1		ACH1396			
C3414-C3416,C		CKSRYF105Z10	RESISTORS		
C3403-C3410,C3	3412,C3413	CKSSYF104Z16	All Resistors	RS1/16S###J	
C3417,C3418,C3	3420-C3424	CKSSYF104Z16			
	_		<u>OTHERS</u>		
C3439,C3440,C3	3442-C3449	CKSSYF104Z16	CN1681 3P L TYPE PLUG	KM200NA3L	
			V1681 REMOTE RECEIVER UNIT	RPM7240-H4	
<u>ESISTORS</u>					
R3402,R3412		RAB4C101J			
R3405-R3407,R3	3409,R3410	RAB4C220J			
R3416,R3417		RAB4C220J	HD AUDIO ASSY		
R3425 Other Resistors		RS1/16S5601F	OTHERS		
Other Resistors		RS1/16S###J	J3901 1P BOARD IN WIRE	ADX3123	
ADDRESS BL	OCK1				
EMICONDUC			[AUDIO AMP BLOCK]		
	ions	DANIOOOLI	SEMICONDUCTORS		
D3501,D3502		DAN202U	IC3754	BR24L02FJ-W	
ADACITODO			IC3751	LA4625	
APACITORS		OKOOND400KE0	IC3752	NJM7809FA	
C3501-C3504		CKSSYB102K50	IC3753	NJW1183L	
ESISTORS			Q3751,Q3754,Q3755,Q3757	2SA1576A	
	2505	DAD40404 I			
R3521,R3522,R3 R3524	3323	RAB4C101J RAB4C222J	Q3756,Q3759	2SC4081	
R3519,R3520		RAB4C472J	Q3758,Q3760	DTC124EUA	
Other Resistors		RS1/16S###J			
0110111000000		1101/100###0	<u>CAPACITORS</u>		
THERS			C3797,C3808,C3812,C3814	CEAT1R0M50	
	4 40P CONNECTOR	AKM1217	C3775,C3777,C3788,C3790,C3791	CEHAT100M50	
CN3506 40P C		AKM1217	C3799	CEHAT100M50	
CN3505		VKN1310	C3761,C3764,C3786,C3798	CEHAT101M16	
			C3766,C3780,C3783-C3785	CEHAT1R0M50	
			C3762	CEHAT220M50	
DIGITAL DD C	ON BLOCK]		C3762 C3752,C3753,C3819,C3820	CEHAT2R2M50	
APACITORS	-		C3759	CEHAT331M16	
C3609		CKSSYF104Z16	C3757	CEHAT471M25	
-			C3755	CEHAT472M25	
ESISTORS					
R3611		RAB4C101J	C3763	CEHATR47M50	
Other Resistors		RS1/16S###J	C3754,C3805	CFTLA103J50	
-			C3767,C3770,C3772-C3774	CFTLA104J50	
			C3781,C3782,C3789,C3792-C3795	CFTLA104J50	
			C3806,C3807,C3813	CFTLA104J50	
D LED ASS	SY		00040	OFTI 4000/50	
EMICONDUC			C3810	CFTLA223J50	
D1671	<u> </u>	SML-311UT	C3778 C3758,C3760,C3796	CFTLA334J50 CKSRYB103K50	
D1672		SML512BC4T	C3758,C3760,C3796 C3769,C3815	CKSRYB222K50	
- -		- -	C3769,C3615 C3779	CKSRYB822K50	
OILS AND FI	LTERS		00.70	ONOTH DOLLING	
	HIP SOLID INDUCTOR	R QTL1011	C3816	CKSRYF104Z16	
				-	
			<u>RESISTORS</u>		
			R3768-R3770,R3782	RD1/2MMF2R2J	
			R3752	RD1/2MMF4R7J	
			Other Resistors	RS1/16S###J	

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Mark No. Description Part No.

OTHERS

CN3752 12P PH CONNECTOR AKM1335
3771 AUDIO HEATSINK ANH1636
CN3751 3P TOP POST (VH) B3P-VH

3772-3775 SCREW VBB30P100FNI KN3751 WRAPPING TERMINAL VNF1084

KN3752 WRAPPING TERMINAL VNF1084

[ST TERMINAL BLOCK]
COILS AND FILTERS

1 ∆ L3901,L3902 LINE FILTER ATF1206

CAPACITORS

Α

⚠ C3906,C3908,C3914,C3916
 C3903,C3911
 C3904,C3912
 CCSRCH101J50
 CKSRYB332K50
 CKSRYF473Z50

RESISTORS

R3901-R3904 RD1/2MMF100J

OTHERS

JA3901 SPEAKER TERMINAL AKE1061

POWER SUPPLY UNIT

POWER SUPPLY Unit has no service part.

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6. ADJUSTMENT



1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. If the adjustment is shifted or if it becomes necessary to readjust because of part replacement, etc., perform the adjustment as described below.

- 2. Any value changed in Service/Factory mode will be stored in memory as soon as it is changed. Before readjustment, take note of the original values for reference in case you need to restore the original settings.
- 3. Use a stable AC power supply.

6.1 ADJUSTMENT REQUIRED WHEN THE SET IS REPAIRED OR REPLACED

■ When any of the following assemblies is replaced **POWER SUPPLY Unit** (Clear the history data on the number of power-ons.) Refer to "7.1.7 HOW TO CLEAR HISTORY DATA." Writing of backup data is required. **HD DIGITAL Assy** Refer to the "7.1.6 BACKUP WHEN THE MAIN UNIT IS ADJUSTED. " 50 X DRIVE Assy No adjustment required 50 Y DRIVE Assy No adjustment required Refer to the "6.3 METHOD FOR REPLACING THE SERVICE Service Panel PANEL ASSY." Other assemblies No adjustment required

■ When any part in the following assemblies is replaced

POWER SUPPLY Unit	The assembly must be replaced as a unit, and no part replacement is allowed.
HD DIGITAL Assy	No adjustment required
50 X DRIVE Assy	No adjustment required
50 Y DRIVE Assy	No adjustment required
Other assemblies	No adjustment required

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6.2 RS-232C COMMAND

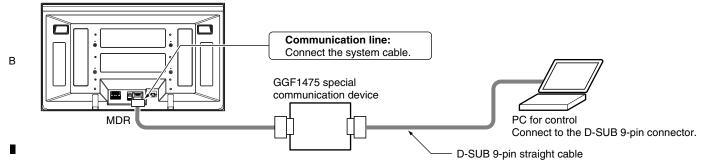
• The panel control items for the PDP-506PE, PU / PDP-436PE, PU systems can be controlled with the RS-232C commands by connecting a PC through the GGF1475 special communication device when the Media Receiver is not connected with the PDP.

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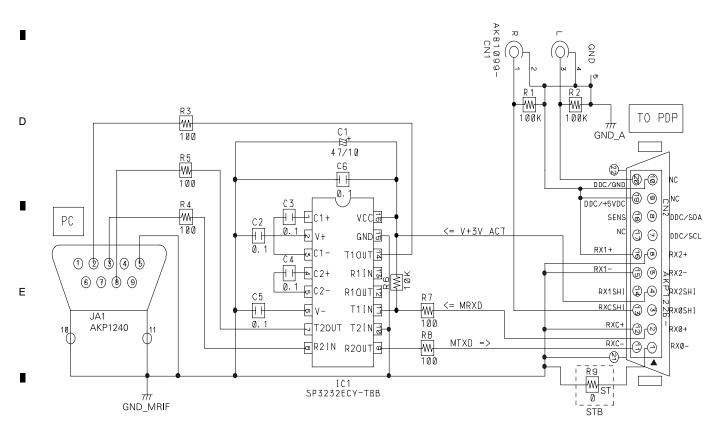
Note: The special communication device for the PDP-503P cannot be used with this unit, because the control lines within the MDR cable are different.

1. Connection

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• Schematic diagram of the special communication device



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2. Command format

■ Communication protocol

Start bit : 1bit
Data : 8bit
Parity : 0 (none)
Stop bit : 1bit
Baud rate : 38400bps

■ Start and stop conditions

STX (start condition): 0x02 ETX (stop condition): 0x03

■ ID setting

No ID setting (corresponding to all ASCII codes)

■ Acknowledgement (ACK)

- Acknowledgement (ACK) will be sent back when the unit returns to Standby mode for the next command after the process of the received command is finished.
- The return data will be a received command in capital letters, but without an ID.

Example of communication: For a command listed on the command list

MR / External PC

STX

0x02

ID	Command	ETX
**	CBU	0x03



STX	Command	ETX
0x02	CBU	0x03

Returns from the PDP

• If a received command is not one listed on the command list, "ERR" (3 characters) will be sent back.

Example of communication: For a command that is not listed on the command list

MR / External PC

STX	ID	Command	ETX
0x02	**	AAA	0x03



STX	Command	ETX
0x02	ERR	0x03

Returns from the PDP

• If the operation of a received command is not possible in a certain status, "XXX" (3 characters) will be sent back.

Example of communication: If an adjustment command that gives an adjustment value out of the adjustable range is sent

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ЕТХ
0x02	**	VOL	128	0x03



Returns from the PDP					
STX	Command	ETX			
0x02	XXX	0x03			

■ Error process

If an error is generated between STX and ETX, a return signal will not be issued.

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3. Definition of various commands

■ Simple-function command

A simple-function command orders an operation that will conclude by itself, and it consists of 3 characters.

Example of communication:

MR / External PC

STX	ID	Command	ETX
0x02	**	CPD	0x03

Returns from the PDP

STX	Command	ETX
0x02	CPD	0x03

■ Adjustment command and adjustment value

An adjustment command is accompanied by an adjustment value and orders a change in the adjustment value, such as for the contrast adjustment.

- Adjustment command + adjustment value => The attached parameter will be the adjustment value.
- The adjustment value to be attached to an adjustment command consists of 3 characters in decimal, in the range of 000 to 999.

Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ЕТХ
0x02	**	CNT	128	0x03



Returns from the PDP

STX	Adjustment Command	Adjustment Value	ETX
0x02	CNT	128	0x03

- If the adjustment value of the received command is out of the adjustable range, "XXX" will be sent back, and the adjustment value will not be changed.
- If the adjustment value of the received command is the same as the current adjustment value, the adjustment value will be overwritten, and "XXX" will not be sent back.

■ Setup command and setup value

A setup command is accompanied by a setup value and orders a change in the setup value, such as for the mask setup.

- Setup command + setup value => The attached parameter will be the setup value.
- The setup value to be attached to a setup command consists of 3 characters in decimal, in the range of S00 to S99.

D Example of communication:

MR / External PC

STX	ID	Adjustment Command	Adjustment Value	ETX
0x02	**	MKS	S02	0x03



Returns from the PDP

STX	Adjustment Command	Adjustment Value	ETX
0x02	MKS	S02	0x03

- If the setup value of the received command is out of the range, "XXX" will be sent back, and the setup value will not be changed.
- If the setup value of the received command is the same as the current setup value, the setup value will be overwritten, and "XXX" will not be sent back.

■ QUEST (acquiring status) command

If a QUEST command is received from the main unit's microcomputer, data for various adjustment values will be read from memory and sent back. The return data consist of the received command as an echo back, return data, and a checksum.

- Return data: A string of characters defined for each QUEST command is converted into ASCII codes and transmitted.
- The configuration and the data length of return data are defined for individual QUEST commands.

Example of communication:

MR / External PC

STX	ID	QST Command	ETX
0x02	**	QS1	0x03



Returns from the PDP

STX	QST Command	Return Data	Checksum	ЕТХ
0x02	QS1	54AHM2**	7B	0x03

• Checksum (CS): A checksum is used for judging if any error exists in the data sent back from the panel. If an error is detected, it is possible to resend the QUEST command from the MR / External PC to try to acquire data again.

	mand ame		Function	Effective only in Factory mode	Remarks
Α					
ABL	***	ABL ADJUSTMENT	Adjusting the upper limit of the power	0	
AMT	S00	AUDIO MUTE OFF	Turning off the audio muting		
	S01	AUDIO MUTE ON	Turning on the audio muting		
APW	S00	APL WB FUNCTION:OFF	WB correction interlocked with APL: OFF	0	
	S01	APL WB FUNCTION:ON	WB correction interlocked with APL: ON	0	
В					
BAL	***	BALANCE ADJUSTMENT	Audio balance adjustment		
BAS	***	BASS ADJUSTMENT	Audio bass adjustment		
ВСР		BACKUP COPY	Copying the backup data in the EEPROM	0	
С					
CBU		CLEAR BACKUP	Clearing backup data	0	
СНМ		CLEAR HOUR METER	Clearing data of the hour meter	0	Used only when the panel is replaced
CPC		CLEAR POWER ON COUNT	Clearing power-on count data	0	Used only when the power unit is replaced
CPD		CLEAR POWER DOWN	Clearing power-down information	0	Used only when the panel is replaced
СРМ		CLEAR PLUSE METER	Clearing data of the pulse meter	0	Used only when the panel is replaced
CSD		CLEAR SHUT DOWN	Clearing shutdown information	0	Used only when the panel is replaced
D					, , , ,
DRV	S00	DRIVE OFF	Main power off		
	S01	DRIVE ON	Main power on		
E					
ESV	S00	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve		
	S01	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve		
	S02	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve		
	S10	POWER CONTROL NORMAL	Setting Power Consumption mode to 4-split normal curve (domestic)		
	S11	POWER CONTROL MODE1	Setting Power Consumption mode to 2-split normal curve (domestic)		
	S12	POWER CONTROL MODE2	Setting Power Consumption mode to 2-split power-saving curve (domestic)		
F					
FAJ		FINISH ADJUSTMENT	Determining the flag of the HD DIGITAL Assy adjustment in "adjustment is completed"	0	
FAN		FACTRY NO		0	
FAY		FACTRY YES	Entering Factory mode		Turning the mask setting off
FCS	S00	FOCUS OFF	Turning the FOCUS function off		
	S01	FOCUS ON	Turning the FOCUS function on		
М					
MKC	S00	MASK COMBINATION OFF	MASK off		
	S01	MASK COMBINATION 01	H ramp (slant 1) M	0	
	S02	MASK COMBINATION 02	H ramp (slant 4) M	0	
	S03	MASK COMBINATION 03	Slanting ramp M	0	
	S04	MASK COMBINATION 04	30 for aging	0	
	S05	MASK COMBINATION 05	05 for aging	0	
	S06	MASK COMBINATION 06	Erasing afterimage 1	0	
	S07	MASK COMBINATION 07	Erasing afterimage 2 (RGB: zigzag, V: reverse)	0	
	S08	MASK COMBINATION 08	White (change in luminance level)	0	
	S09	MASK COMBINATION 09	PEAK SEEK RASTER	0	
MKS	S00	MASK SINGLE OFF	MASK OFF		
		MASK SINGLE 1	H ramp (slant 1)	0	
	S02	MASK SINGLE 2	H ramp (slant 4)	0	
	S03	MASK SINGLE 3	V ramp (slant 1)	0	
	S04	MASK SINGLE 4	Slanting ramp	0	

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	mand ime		Function	Effective only in Factory mode	Remarks
MKS	S05	MASK SINGLE 5	Window(Hi=870Lo=102)	0	
	S06	MASK SINGLE 6	Window(Hi=1023Lo=102)	0	
	S07	MASK SINGLE 7	Window(Hi=1023)	0	
	S08	MASK SINGLE 8	Window(Hi=1023)4%	0	
	S09	MASK SINGLE 9	Window(Hi=1023)1.25%	0	
	S10	MASK SINGLE 10	Window(1/7LINE)	0	
	S11	MASK SINGLE 11	STRIPE(MGT/GRN)	0	
	S12	MASK SINGLE 12	STRIPE(GRN/MGT)	0	
	S13	MASK SINGLE 13	B & W, checker (1 line)	0	
	S14	MASK SINGLE 14	B & W, checker (2 lines)	0	
	S15	MASK SINGLE 15	B & W, checker (4 lines)	0	
	S16	MASK SINGLE 16	B & W, checker (8 lines)	0	
	S17	MASK SINGLE 17	COLOR BAR	0	
	S18	MASK SINGLE 18	Slanting lines	0	
	S19	MASK SINGLE 19	Red & black, checker (1 line)	0	
	S20	MASK SINGLE 20	Red & black, checker (2 lines)	0	
	S21	MASK SINGLE 21	Red & black, checker (4 ines)	0	
	S22	MASK SINGLE 22	Red & black, checker (8 lines)	0	
	S23	MASK SINGLE 23	RGB zigzag, V reverse	0	
	S24	MASK SINGLE 24	SUS 2000 pulses (black raster)	0	
	S25	MASK SINGLE 25	Window(Hi=870Lo=102) PATTAN3	0	
	S26	MASK SINGLE 26	Window(Hi=1023Lo=102) PATTAN3	0	
	S27	MASK SINGLE 27	Window(Hi=1023) Pattern 3	0	
	S28	MASK SINGLE 28	Window(Hi=1023)4% Pattern 3	0	
	S29	MASK SINGLE 29	Window(Hi=1023)1.25% Pattern 3	0	
	S30	MASK SINGLE 30	Window(1/7LINE) Pattern 3	0	
	S51	MASK SINGLE 51	Raster - White	0	
	S52	MASK SINGLE 52	Raster - Red	0	
	S53	MASK SINGLE 53	Raster - Green	0	
	S54	MASK SINGLE 54	Raster - Blue	0	
	S55	MASK SINGLE 55	Raster - Black	0	
	S56	MASK SINGLE 56	Raster - Cyan	0	
	S57	MASK SINGLE 57	Raster - Magenta	0	
	S58	MASK SINGLE 58	Raster - Yellow	0	
	S59	MASK SINGLE 59	Raster - Cyan 460 :W	0	
	S60	MASK SINGLE 60	Raster - Green 774 :W	0	
	S61	MASK SINGLE 61	Raster - Gray 912 :W	0	
	S62	MASK SINGLE 62	Raster - Yellow egg color: W	0	
	S63	MASK SINGLE 63	Raster - Beige: W	0	
	S64	MASK SINGLE 64	Raster - Sky color: W	0	
	S65	MASK SINGLE 65	Raster - Pale purple: W	0	
	S66	MASK SINGLE 66	Raster - Magenta 54 :W	0	
	S67	MASK SINGLE 67	Raster - Red 588	0	
	S68	MASK SINGLE 68	Red 1023 + α	0	
	S69	MASK SINGLE 69	Green 1023 + α	0	
	S70	MASK SINGLE 70	Blue 1023 + α	0	
	S71	MASK SINGLE 71	Red 588 + α	0	
	S72	MASK SINGLE 72	Green 588 + α	0	
	S73	MASK SINGLE 73	Blue 588 + α	0	

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Command Name			Function	Effective only in Factory mode	Remarks
MKS	S74	MASK SINGLE 74	Raster -Gray 512 (reservation)	0	
Р					
PAV	S**	PANEL AV MODE	Switching panel functions interlocked with the AV selection		
PBH	***	PANEL BLUE HIGH	Panel white balance adjustment - Blue highlight	0	
PBL	***	PANEL BLUE LOW	Panel white balance adjustment - Blue low light	0	
PDM	S00	PD MUTE OFF	Passing PD signals to the Power SUPPLY Unit => Power-down		
	S01	PD MUTE ON	Not passing PD signals to the Power SUPPLY Unit => No power-down		
PFN		FACTORY NO	Factory mode: off	0	
PFS		PANEL FINAL SETUP	Setup at shipment	0	
PFY		FACTORY YES	Factory mode: on		
PGH	***	PANEL GREEN HIGH	Panel white balance adjustment - Green highlight	0	
PGL	***	PANEL GREEN LOW	Panel white balance adjustment - Green low light	0	
PGM	S**	PANEL GAMMA	Setting of the gamma table		
PMT	S00	MUTE OFF	Canceling panel muting		
	S01	MUTE ON	Panel muting		
POF	1	POWER OFF	Power off		
PON		POWER ON	Power on		
PPT	S00	PANEL PROTECT OFF	Panel protection: off	0	
	S01	PANEL PROTECT ON	Panel protection: on	0	
PUC	S00	PUER CINEMA:OFF	Pure cinema: off	<u> </u>	
	S01	PUER CINEMA:STD	Pure cinema: standard		
	S02	PUER CINEMA:ADV	Pure cinema: advanced		
Q	302	FOLH CINLINA.ADV	rule cilienta, auvanceu		
		OUECT AD ILICTMENT	A carriving various adjustment values		
QAJ		QUEST ADJUSTMENT QUEST PANEL INFORMATION	Acquiring various adjustment values		
QIP			Acquiring various input signal data		
QPD		QUEST POWER-DOWN	Acquiring logs of power-down points		
QPM		QUEST PULSE METER	Acquiring data of the pulse meter		
QPW		QUEST PANEL WHITE BALANCE	., 9,		
QS1		QUEST STATUS 1	Acquiring data on the unit, such as the version of the program		
QS2		QUEST STATUS 2	Acquiring data on the status of the unit, such as temperature		
QSD		QUEST SHUT DOWN	Acquiring data on shutdown		
QSI		QUEST SIGNAL INFORMATION	Acquiring data related with signals		
R					
RBL	S**	PANEL REVISE BLUE LEVEL	Setting of blue level for panel degradation correction	0	
RGL	S**	PANEL REVISE GREEN LEVEL	Setting of green level for panel degradation correction	0	
RHI	***	RED HIGH	User white balance - Red highlight		
RLW	***	RED LOW	User white balance - Red low light		
RRL	S**	PANEL REVISE RED LEVEL	Setting of red level for panel degradation correction	0	
RSW	***	XY-RST-W ADJ	Adjustment of the width of XY reset pulse	0	
S					
SDM	S00	SD MUTE OFF	Shutdown enabled		
	S01	SD MUTE ON	Shutdown prohibited		
SFR	S01	SUS FREQUENCY MODE1	Measures against AM radio noise - Pattern 1	0	
	S02	SUS FREQUENCY MODE2	Measures against AM radio noise - Pattern 2	0	
	S03	SUS FREQUENCY MODE3	Measures against AM radio noise - Pattern 3	0	
	S04	SUS FREQUENCY MODE4	Measures against AM radio noise - Pattern 4	0	
	S05	SUS FREQUENCY MODE5	Measures against AM radio noise - Pattern 5	0	
	S06	SUS FREQUENCY MODE6	Measures against AM radio noise - Pattern 6	0	
	S07	SUS FREQUENCY MODE7	Measures against AM radio noise - Pattern 7	0	

7 - 8

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Comr Na	mand me		Function	Effective only in Factory mode	Remarks
SFR	S08	SUS FREQUENCY MODE8	Measures against AM radio noise - Pattern 8	0	
SMM	S**	SIDE MASK MODE	Setting of the effective area during streaking correction	0	
SN0	***	SERIAL NO 0	Setting of the serial No. 0 (panel)	0	
SN1	***	SERIAL NO 1	Setting of the serial No. 1 (panel)	0	
SN2	***	SERIAL NO 2	Setting of the serial No. 2 (panel)	0	
SN3	***	SERIAL NO 3	Setting of the serial No. 3 (panel)	0	
SN4	***	SERIAL NO 4	Setting of the serial No. 4 (panel)	0	
SRS	S00	SRS OFF	SRS function: off		
	S01	SRS ON	SRS function: on		
SYS	S00	SYSTEM CABLE NO	Prohibiting monitoring of cable disconnection detection		
	S01	SYSTEM CABLE YES	Permitting monitoring of cable disconnection detection		
Т					
TBS	S00	TRUBASS OFF	TruBass function: off		
	S01	TRUBASS ON	TruBass function: on		
TRE	***	TREBLE ADJUSTMENT	Audio treble adjustment		
U					
UAJ		UN-ADJUSTMENT	Determining the flag for the HD DIGITAL Assy adjustment in "not adjusted"	0	
V					
VFQ	S01	FREQENCY VIDEO 48Hz	Setting the frequency in Mask mode to VD-48 Hz	0	
	S02	FREQENCY VIDEO 50Hz	Setting the frequency in Mask mode to VD-50 Hz	0	
	S03	FREQENCY VIDEO 60Hz	Setting the frequency in Mask mode to VD-60 Hz	0	
	S05	FREQENCY THEATER 72Hz	Setting the frequency in Mask mode to VD-72 Hz	0	
	S06	FREQENCY 75Hz	Setting the frequency in Mask mode to VD-75 Hz	0	
	S13	FREQENCY PC 60Hz	Setting the frequency in Mask mode to PC-60 Hz	0	
	S14	FREQENCY PC 70Hz	Setting the frequency in Mask mode to PC-70 Hz	0	
	S22	FREQENCY VIDEO 50Hz NONSTD	Setting the frequency in Mask mode to VD-50 Hz (nonstandard)	0	
	S23	FREQENCY VIDEO 60Hz NONSTD	Setting the frequency in Mask mode to VD-60 Hz (nonstandard)	0	
	S25	FREQENCY VIDEO 72Hz NONSTD	Setting the frequency in Mask mode to VD-72 Hz (nonstandard)	0	
	S26	FREQENCY VIDEO 75Hz NONSTD	Setting the frequency in Mask mode to VD-75 Hz (nonstandard)	0	
VOF	***	Vofs ADJUSTMENT	Adjustment of the reference value of Vofs voltage	0	
VOL	***	VOLUME	Audio volume adjustment		
VRP	***	Vrp ADJUSTMENT	Adjustment of the reference value of Vrst-p voltage	0	
VSU	***	Vsus ADJUSTMENT	Adjustment of the reference value of Vsus voltage	0	
w					
WBI	S00	WB INITIALIZE NO	Panel WB standard output mode: off	0	
WBI	S01	WB INITIALIZE YES	Panel WB standard output mode: on	0	
х			·		
XSB	***	X-SUS-B ADJ	X-SUS-B ADJ	0	
Υ					
YSB	***	Y-SUS-B ADJ	Y-SUS-B ADJ	0	
YTG	***	Y-SUSTAIL ADJ	Y-SUSTAIL ADJ	0	
YTW	***	Y-SUSTAIL W AJD	Y-SUSTAIL W AJD	0	

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5. QUEST commands (for acquiring status)

With a QUEST command, data on STBY/ON, PD, and SD can be obtained while the unit is on.

■ Acquisition of panel statuses • • • [QS1]

The command QS1 is for acquiring data necessary for authentication of both the main unit's microcomputer and the module's microcomputer.

Command Format	Effective Operation Modes	Function	Remarks
[QS1]	All operations	To acquire data on product status	Return data: 3 (ECO)+43(DATA)+2(CS)=48Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS1
1	Resolution/size	1Byte	5
2	Generation	1Byte	6
3	Destination	1Byte	*
4	Grade	1Byte	*
5	Product type	1Byte	S
6	MDUcom-Boot	3Byte	01A
7	MDUcom-PRG	8Byte	001SM "space × 3"
8	SEQUENCE PROCESSOR-Boot	3Byte	01A
9	SEQUENCE PROCESSOR-Boot	8Byte	001AM "space × 3"
10	SQ-VIDEO(43/42)	4Byte	001X
11	SQ-PC(43/42)	4Byte	001X
12	SQ-VIDEO(50/61)	4Byte	001W
13	SQ-PC(50/61)	4Byte	001W
cs		2Byte	7B

■ Resolution/size	
4	1024*768-43
5	1280*768-50

● Generation		
6	G6	

Destination		
*	Common	

● Grade		
*	Common	

MDUcom/SEQUENCE PROCESSOR-Boot • • • 3Byte					
1st character		Representing the boot version in 2-digit decimal			
2nd character					
3rd character	Α	When the boot version is common to 43/50			
	Х	When the boot version is only for 43			
	W	When the boot version is only for 50			

● Product type		
S	System model	

● MDUcom/SEQUENCE PROCESSOR-PRG • • • 8Byte					
1st character	_	For a mass-production product			
2nd character 3rd character		For representing the version in 2-digit decimal			
4th character	Α	When the program is common to 43/50 (for SEQUENCE PROCESSOR)			
	S	When the program is only for another unit (for MDUcom)			
5th character	М	Fixed			
6th character		Reservation			
7th character		Reservation			
8th character		Reservation			

SEQUENCE-Data • • • 8Byte				
1st - 3rd characters	Num	For representing the version in 3-digit decimal		
4th character	W	When the sequence data are only for 50		
	Х	When the sequence data are only for 43		

• For the version indication, the bytes reserved for special use must be replaced with spaces if they are not used.

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■ Acquisition of panel operation data • • • [QS2]

The command QS2 is for acquiring data on the panel's operations. Basically, this command is used for the module's microcomputer to inform the main unit's microcomputer of changes in panel operation.

Command Format	Effective Operation Modes	Function	Remarks
[QS2]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+23(DATA)+2(CS)=28Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QS2
1	Notification of mode shifting to STB	1Byte	1
2	Flag for adjustment of the main unit	1Byte	0
3	Flag for adjustment-data backup	1Byte	0
4	"1st PD" data	1Byte	0
5	"2nd PD" data	1Byte	0
6	Reservation	3Byte	***
7	Temperature data (TEMP 1)	3Byte	128
8	SD main data	1Byte	0
9	SD subdata	1Byte	0
10	Operation status induced by SD	1Byte	0
11	Data from the hour meter	8Byte	00000259
12	MASK indication	1Byte	0
cs		2Byte	4A

Note: "00000259" of "Data from the hour meter" means 2 hours 59 minuts.

 Notification of mode shifting to Standby Entering Standby mode failed

Entering Standby mode succeeded

 Adjustment of the main unit 			
0	Adjustment completed		
1	Adjustment not completed		

● Adj bac	 Adjustment-data backup 		
0	With backup data		
1	No data		

● PD	data		
0	No PD data		
1	Not used		
2	POWER		
3	SCAN		
4	SCN-5V		
5	Not used		
6	Y-DCDC		
7	Y-SUS		
8	ADRS		
9	X-DRV		
Α	X-DCDC		
В	X-SUS		
С	Not used		
D	SQ-IC		
Е	Not used		
F	Specification inability		

● SD main data		
0	No SD	
1	SQ-IC	
2	MDU-IIC	
3	RST2	
4	Panel having high temperature	
5	Short-circuited speaker	

● SD subdata (IIC)			
0	No SD subdata		
1	EEPROM		
2	BACKUP		
3	DAC		
4	VOL IC		
5	DVI		

	Operation status induced by SD		
0	Normal		
1	Relay-off completed		
2	During warning indication		

■ MASK indication			
0	MASK-OFF		
1	MASK-ON		

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■ Acquisition of other data on the panel • • • [QIP]

The command QIP is for acquiring data other than those available with QS1 (data necessary before turning the power on) and QS2 (data to inform of operational status change).

Command Format	Effective Operation Modes	Function	Remarks	
[QIP]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+39(DATA)+2(CS)=44Byte	

Data Arrangement		Data Length	Output Example
ECO		3Byte	QIP
1	SERIAL	15Byte	
2	HOUR METER	8Byte	00000000
3	BACKUP HR MTR	8Byte	00000000
4	PON COUNTER	8Byte	00000000
cs		2Byte	94

Note: The real product serial number is displayed in "SERIAL".

■ Acquisition of panel adjustment data (common data) • • • [QAJ]

The command QAJ is for acquiring data on the panel's factory-preset items that are common to the main unit and that share the same memory.

Command Format	Effective Operation Modes	Function	Remarks	
[QAJ]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+27(DATA)+2(CS)=32Byte	

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QAJ
1	V-SUS adjustment value	3Byte	128
2	V-OFT adjustment value	3Byte	128
3	V-RST-P adjustment value	3Byte	128
4	XSB adjustment value	3Byte	128
5	YSB adjustment value	3Byte	128
6	YTG adjustment value	3Byte	128
7	YTW adjustment value	3Byte	128
8	RSW adjustment value	3Byte	128
9	R-RIVISE setting value	1Byte	0
10	G-RIVISE setting value	1Byte	0
11	B-RIVISE setting value	1Byte	0
cs		2Byte	B7

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D

■ Acquisition of ABL/WB adjustment data • • • [QPW]

The command QPW is for acquiring data on the panel's factory-preset items whose memory tables are changed in sequence.

Command Format	Effective Operation Modes	Function	Remarks
[QPW]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+35(DATA)+2(CS)=40Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QPW
1	Drive sequence	3Byte	60V
2	Standard/nonstandard	1Byte	S
3	Type of ABL/WB tables	2Byte	T2
4	ABL adjustment value	3Byte	128
5	R-HIGH adjustment value	3Byte	256
6	G-HIGH adjustment value	3Byte	256
7	B-HIGH adjustment value	3Byte	256
8	R-LOW adjustment value	3Byte	512
9	G-LOW adjustment value	3Byte	512
10	B-LOW adjustment value	3Byte	512
11	Gamma setting	1Byte	Α
12	Streaking correction	1Byte	1
13	Peripheral luminance correction	1Byte	0
14	Reservation	1Byte	*
15	WB interlocked with APL	1Byte	0
16	Transition of protective operations	1Byte	0
17	Reservation	2Byte	**
cs		2Byte	37

Driv	ve sequence		
48V	Video48 Hz		
50V	Video50 Hz		
60V	Video60 Hz		
72V	Video72 Hz		
75V	Video75 Hz		
60P	PC60Hz		
70P	PC70Hz		

● Setting for Items 12 and 15			
0	OFF		
1	ON		
	1011		

Peripheral luminance correction		
0	OFF	
2	ON (interlocked with APL)	

Standard/ nonstandard		
S	Standard	
N Nonstandard		

 Transition of brightness by protective operations 				
0	Upper limit state for brightness			
1 Brightness being reduced				
2	Lower limit state for brightness			
3	Brightness heing increased			

Gamma setting			
n 0 to F			

● Type of ABL/WB tables				
Tn	n: 1 to 4			

■ Acquisition of parameters • • • [QPM]

The command QPM is for acquiring the accumulated number of pulses for each of 5 blocks from the EEPROM.

Command Format	Effective Operation Modes	Function	Remarks
[QPM]	All operations	To acquire data on operations of the panel	Return data: 3 (ECO)+40(DATA)+2(CS)=45Bvte

Data Arrangement		Data Length	Output Example
ECO		3Byte	QPM
1	Pulse meter B 1	8Byte	00000000
2	Pulse meter B 2	8Byte	00000000
3	Pulse meter B 3	8Byte	00000000
4	Pulse meter B 4	8Byte	00000000
5	Pulse meter B 5	8Byte	00000000
cs		2Byte	E7

[•] The output data on the accumulated number of pulses for each block are calculated in the following way: the high-order 4 bytes of the accumulated number of pulses for each block are converted into a decimal number, and the high-order 8 digits are transmitted. The unit of each block is M_pulse (mega).

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3

■ Acquisition of PD logs • • • [QPD]

The command QPD is for acquiring data from the 8 latest power-down (PD) logs.

Command Format	Effective Operation Modes	Function	Remarks
[QPD]	All operations	To acquire data on the power-down logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QPD
1	Latest "1st PD" data	1byte	Α
2	Latest "2nd PD" data	1byte	2
3	Data from the hour meter for the latest PD	8byte	00010020
4	Second latest "1st PD" data	1byte	E
5	Second latest "2nd PD" data	1byte	9
6	Data from the hour meter for the second latest PD	8byte	00008523
7	Third latest "1st PD" data	1byte	4
8	Third latest "2nd PD" data	1byte	3
9	Data from the hour meter for the third latest PD	8byte	00004335
10	Fourth latest "1st PD" data	1byte	2
11	Fourth latest "2nd PD" data	1byte	0
12	Data from the hour meter for the fourth latest PD	8byte	00000945
13	Fifth latest "1st PD" data	1byte	4
14	Fifth latest "2nd PD" data	1byte	0
15	Data from the hour meter for the fifth latest PD	8byte	00000715
16	Sixth latest "1st PD" data	1byte	Α
17	Sixth latest "2nd PD" data	1byte	2
18	Data from the hour meter for the sixth latest PD	8byte	00000552
19	Seventh latest "1st PD" data	1byte	Α
20	Seventh latest "2nd PD" data	1byte	0
21	Data from the hour meter for the seventh latest PD	8byte	00000213
22	Eighth latest "1st PD" data	1byte	D
23	Eighth latest "2nd PD" data	1byte	0
24	Data from the hour meter for the eighth latest PD	8byte	000001A7
cs		2Byte	27

● PD	● PD data		
0	No PD		
1	Not used		
2	P-POWER		
3	SCAN		
4	SCN-5V		
5	Not used		
6	Y-DCDC		
7	Y-SUS		
8	Address		
9	X-DRIVE		
Α	X-DCDC		
В	X-SUS		
С	DIG-DCDC		
D	QS (driving stopped)		
Е	Not used		
F	Specification inability		

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В

С

D

Е

■ Acquisition of SD logs • • • [QSD]

The command QSD is for acquiring the data from the 8 latest shutdown (SD) logs.

Command Format	Effective Operation Modes	Function	Remarks
[QSD]	All operations	To acquire data on the shutdown logs	Return data: 3 (ECO)+80(DATA)+2(CS)=85Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QSD
1	Latest SD data	1byte	1
2	Latest SD subcategory data	1byte	0
3	Data from the hour meter for the latest SD	8byte	00752013
4	Second latest SD data	1byte	5
5	Second latest SD subcategory data	1byte	0
6	Data from the hour meter for the second latest SD	8byte	00495204
7	Third latest SD data	1byte	2
8	Third latest SD subcategory data	1byte	3
9	Data from the hour meter for the third latest SD	8byte	00100355
10	Fourth latest SD data	1byte	2
11	Fourth latest SD subcategory data	1byte	5
12	Data from the hour meter for the fourth latest SD	8byte	00075620
13	Fifth latest SD data	1byte	1
14	Fifth latest SD subcategory data	1byte	0
15	Data from the hour meter for the fifth latest SD	8byte	00000852
16	Sixth latest SD data	1byte	2
17	Sixth latest SD subcategory data	1byte	5
18	Data from the hour meter for the sixth latest SD	8byte	000000451
19	Seventh latest SD data	1byte	0
20	Seventh latest SD subcategory data	1byte	0
21	Data from the hour meter for the seventh latest SD	8byte	00000000
22	Eighth latest SD data	1byte	0
23	Eighth latest SD subcategory data	1byte	0
24	Data from the hour meter for the eighth latest SD	8byte	00000000
cs		2Byte	7D

● SD data		
0	No SD	
1	SQ-IC	
2	MDU-IIC	
3	RST2	
4	Panel having high temperature	
5	Short-circuited speaker	

• SD	● SD subcategory		
0	No SD subcategory		
1	EEPROM		
2	BACKUP		
3	DAC		
4	VOL-IC		
5	DVI		
6	Not used		

Е

В

■ Acquisition of input signal data • • • [QSI]

The command QSI is for acquiring all data on input video signals.

Command Format	Effective Operation Modes	Function	Remarks
[QSI]	All operations	To acquire all data on input video signals	Return data: 3 (ECO)+66(DATA)+2(CS)=71Byte

	Data Arrangement	Data Length	Output Example
ECO		3Byte	QSI
1	Type of drive sequence	3byte	60V
2	Standard/nonstandard	1byte	S
3	Type of ABL/WB tables	2byte	T1
4	Total value of PCN	4byte	0256
5	Total value of PRH	4byte	0256
6	Total value of PGH	4byte	0256
7	Total value of PBH	4byte	0256
8	Total value of PBR	4byte	0512
9	Total value of PRL	4byte	0512
10	Total value of PGL	4byte	0512
11	Total value of PBL	4byte	0512
12	Reservation	2byte	**
13	Detection of existence of H	1byte	Υ
14	Detection of V frequency	4byte	6002
15	Reservation	4byte	****
16	Obtained APL data	4byte	1023
17	Number of SUS pulses	4byte	0457
18	Result of detection of still picture	1byte	1
19	Result of detection of cracking in the panel	1byte	1
20	Result of detection for scanning protection	1byte	1
21	Result of detection for external protection	1byte	1
22	Transition of protection operation	1byte	0
23	Reservation	4byte	****
cs		2Byte	27

● Detection of existence of H			
N	No H		
Y H detected			

 Transition of brightness by protection operation 			
0	Upper limit state for brightness		
1	Brightness being reduced		
2	Lower limit state for brightness		
3	Brightness being increased		

- If data for an item cannot be obtained during Standby mode, the return data for that item will be "*."
- The types of data for Items 1-3 in the table (drive sequence, standard/nonstandard, and type of ABL/WB tables) are the same as with the command QPW.
- Each total value for Items 4-11 represents that of panel WB, user WB, and degradation correction, and the actual data being sent to the ASTRA are output.
- Detection of V frequency: The V signal input to the panel is measured in the range of 30.51 to 99.99 Hz. The measured value is multiplied by 100 and then output.
- Number of SUS pulses : The number is calculated from data from APL and the drive sequence. The output value must be between 0174 and 2752.
- APL value: The APL value for the input video signal (or mask indication) will be output in the range of 0000 to 1023.

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■ Setting for Factory mode permission/prohibition • • • [FAY/FAN] [PFY/PFN]

The commands FAY/FAN and PFY/PFN are for prohibiting/permitting panel-adjustment commands during normal operation and are to be used to avoid accidental change of panel adjustment values.

0	Operation		
Command Format	Effective Operation Modes	Control (by the microcomputer itself)	Remarks
[FAY]	Normal operation mode		Mask indications will be forcibly turned off.
[PFY]	while the power is on	Adjustment mode: ON	With a PFY command, the mask does not change.
[FAN]	During FAV	A division and in a day OFF	
[PFN]	During FAY	Adjustment mode: OFF	

• Commands that are effective during normal operation will also be effective during FAY (PFY) mode.

Note:

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• The functions shown below will be forcibly switched when Mask ON/OFF is switched. (Even if the panel is off, changed settings will be retained.)

While the status of Mask ON or OFF is maintained, if settings for the individual functions shown in ① and ② are changed, those settings are retained (even if the drive frequency is changed).

1) Functions related to picture quality

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Peripheral luminance correction	OFF	ON	
WB correction interlocked with APL	OFF	ON	
Streaking correction	OFF	ON	

2 Functions related to panel protection

Function	Setting while Mask is ON	Setting while Mask is OFF	Remarks
Detection of still picture	OFF	ON	
Detection of cracking in the panel	OFF	ON	
Scanning protection	OFF	ON	

• Depending on the type of mask displayed, phosphor burn of the panel may occur. As the panel-protection function is forcibly turned off with this model, care must be taken when color-bar signals are to be displayed for an extended period.

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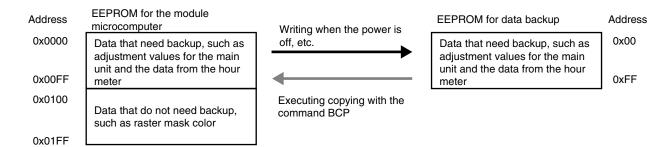
■ Backup function for adjustment values for the main unit • • • [FAJ/UAJ/CBU/BCP]

When the HD DIGITAL Assy is to be replaced, adjustment values can be copied from the backup EEPROM to the EEPROM of the Assy for service.

Command				
Command Format	Effective Operation Modes	Control (by the	Remarks	
[FAJ]		To make the flag setting that indicating that adjustment of the main unit has been completed	Writing 00 to the 4-kbyte ROM and copying to the 2-kbyte ROM	This takes at least 350 ms.
[UAJ]	During FAY	To make the flag setting that indicating that adjustment of the main unit has not been completed	Writing F0 to the 4-kbyte ROM	
[CBU]		To make the flag setting that indicating that backup data have not been copied	Writing F0 to the 2-kbyte ROM	The backup ROM is initialized.
[BCP]		To make the flag setting that indicating that backup data have been copied	Copying backup data	

When the flag indicating that the line adjustments (SUS waveform, voltage margin, and panel WB) for the main unit have been completed is set to on, data stored from Addresses 0x0000 to 0X00FF in the digital EEPROM are copied to the same addresses of the backup EEPROM. Copying will be executed immediately before the relay of normal operation is off.

- When the command BCP is received while a warning indicating that backup copying has not been completed is displayed (conditions: main EEPROM = not adjusted, and backup EEPROM = adjusted), backed-up data will be copied to the main EEPROM, and various adjustment values related to Factory mode will be readjusted. Then LED warning indication will be shut off, and normal LED indication will be restored.
- If the backup EEPROM has not been adjusted when the command BCP is received (0x0063 is not written to all three addresses of the key data), copying of the backup data is not possible, and "XXX" is returned.



Note:

- When the command FAJ, UAJ, or CBU is executed, only high-order one-byte (0x00 or 0xF0) key data will be written to the EEPROM, and lower-order one-byte (0x63) data will not be changed.
- It takes at least 350 ms from reception of the command FAJ until an echo is sent back, because data are copied to the backup EEPROM.

■ Factory presetting • • • [PFS]

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Command		Operation		
Format	Effective Operation Modes	Control (by the micro	ontrol (by the microcomputer itself)	
[PFS]	During FAY	Initialized to factory-preset values		

• When this command is executed, the values not stored in the EEPROM are initialized, mask indication is set to OFF, control of the power for line aging is set to OFF, and detection of the system cable is set to ON.

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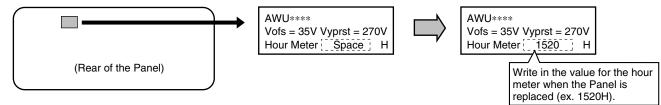
6.3 METHOD FOR REPLACING THE SERVICE PANEL ASSY

When the Panel Assy is replaced with one for service, the following adjustments are required:

■ Adjustments of Vofs voltage and Vyprst voltage

Enter the reference adjustment values for the Vofs voltage and Vyprst voltage that are written on the label attached to the panel for service.

Note: Enter the values, using an RS-232C command or the Factory Menu.



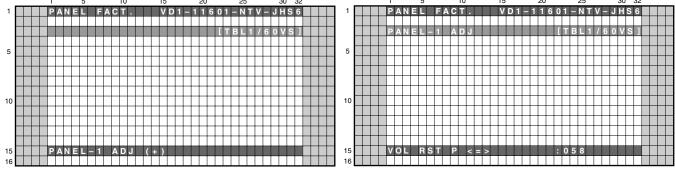
Using an RS-232C command

Enter a "PFY" command with Factory mode ON.

Convert the adjustment voltage values written on the label attached at the rear of the Panel to an input command, referring to the conversion chart. (See the next page.)

- Reference adjustment of the Vofs voltage: Ex. "Vofs = 35" → (Check the conversion chart.) Enter "VOF112."
- Reference adjustment of the Vyprst voltage: Ex. 50-inch "Vyprst = 270 V" → (Check the conversion chart.) Enter "VRP055." (Note that the conversion charts for 50-inch and 43-inch Panels are different.)

Using the Factory Menu



Select the main item "PANEL FACT." by pressing the MUTE key then enter Panel Factory mode by pressing the SET key. Using the \triangle/∇ keys, select "PANEL-1 ADJ" then press the SET key to enter the next lower nested layer. Select "VOL-OFFSET" or "VOL RST P" then enter a command value converted from the voltage value, using the $\blacktriangleleft/\triangleright$ keys.

■ Clearing data on various histories of the Panel, such as those on the hour meter

- It is necessary to clear the data on the hour meter, etc. to match them to the actual driving hours of the Panel.
- It is also necessary to clear the data on SD and PD, because the accumulated power-on time when a shutdown or power-down occurred is recorded.

Note: Clear the values, using an RS-232C command or the Factory Menu.

There are two types of hour meters. Do not take the MR hour meter for the hour meter.

Using an RS-232C command

To acquire the accumulated power-on time of the product itself, use the "GS2" RS-232C command.

1 To clear the data on the hour meter (for the Panel) : CHM
2 To clear the data on the pulse meter : CPM
3 To clear the data on the SD history : CSD
4 To clear the data on the PD history : CPD

Using the Factory Menu

See "7.1.7 HOW TO CLEAR HISTORY DATA."

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■ Conversion charts for electronic VRs: Conversion chart for the Vofs

Jonversion		e vots (Com		Common voi		for the 50-ii		inch models	•
Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common sizes	Command	Voltage value [V] for common size
VOF000	14.09	VOF056	24.55	VOF112	35.01	VOF168	45.47	VOF224	55.93
VOF001	14.28	VOF057	24.74	VOF113	35.20	VOF169	45.66	VOF225	56.12
VOF002	14.46	VOF058	24.92	VOF114	35.38	VOF170	45.85	VOF226	56.31
VOF003	14.65	VOF059	25.11	VOF115	35.57	VOF171	46.03	VOF227	56.49
VOF004	14.84	VOF060	25.30	VOF116	35.76	VOF172	46.22	VOF228	56.68
VOF005	15.02	VOF061	25.48	VOF117	35.95	VOF173	46.41	VOF229	56.87
VOF006	15.21	VOF062	25.67	VOF118	36.13	VOF174	46.59	VOF230	57.05
VOF007	15.40	VOF063	25.86	VOF119	36.32	VOF175	46.78	VOF231	57.24
VOF008	15.58	VOF064	26.04	VOF120	36.51	VOF176	46.97	VOF232	57.43
VOF009	15.77	VOF065	26.23	VOF121	36.69	VOF177	47.15	VOF233	57.61
VOF010	15.96	VOF066	26.42	VOF122	36.88	VOF178	47.34	VOF234	57.80
VOF011	16.14	VOF067	26.61	VOF123	37.07	VOF179	47.53	VOF235	57.99
VOF012	16.33	VOF068	26.79	VOF124	37.25	VOF180	47.71	VOF236	58.17
VOF013	16.52	VOF069	26.98	VOF125	37.44	VOF181	47.90	VOF237	58.36
VOF014	16.70	VOF070	27.17	VOF126	37.63	VOF182	48.09	VOF238	58.55
VOF015	16.89	VOF071	27.35	VOF127	37.81	VOF183	48.27	VOF239	58.73
VOF016	17.08	VOF072	27.54	VOF128	38.00	VOF184	48.46	VOF240	58.92
VOF017	17.27	VOF073	27.73	VOF129	38.19	VOF185	48.65	VOF241	59.11
VOF018	17.45	VOF074	27.91	VOF130	38.37	VOF186	48.83	VOF242	59.30
VOF019	17.64	VOF075	28.10	VOF131	38.56	VOF187	49.02	VOF243	59.48
VOF020	17.83	VOF076	28.29	VOF132	38.75	VOF188	49.21	VOF244	59.67
VOF021	18.01	VOF077	28.47	VOF133	38.93	VOF189	49.39	VOF245	59.86
VOF022	18.20	VOF078	28.66	VOF134	39.12	VOF190	49.58	VOF246	60.04
VOF023	18.39	VOF079	28.85	VOF135	39.31	VOF191	49.77	VOF247	60.23
VOF024	18.57	VOF080	29.03	VOF136	39.49	VOF192	49.96	VOF248	60.42
VOF025	18.76	VOF081	29.22	VOF137	39.68	VOF193	50.14	VOF249	60.60
VOF026	18.95	VOF082	29.41	VOF138	39.87	VOF194	50.33	VOF250	60.79
VOF027	19.13	VOF083	29.59	VOF139	40.05	VOF195	50.52	VOF251	60.98
VOF028	19.32	VOF084	29.78	VOF140	40.24	VOF196	50.70	VOF252	61.16
VOF029	19.51	VOF085	29.97	VOF141	40.43	VOF197	50.89	VOF253	61.35
VOF030	19.69	VOF086	30.15	VOF142	40.62	VOF198	51.08	VOF254	61.54
VOF031	19.88	VOF087	30.34	VOF143	40.80	VOF199	51.26	VOF255	61.72
VOF032	20.07	VOF088	30.53	VOF144	40.99	VOF200	51.45		
VOF033	20.25	VOF089	30.71	VOF145	41.18	VOF201	51.64		
VOF034	20.44	VOF090	30.90	VOF146	41.36	VOF202	51.82		
VOF035	20.63	VOF091	31.09	VOF147	41.55	VOF203	52.01		
VOF036	20.81	VOF092	31.28	VOF148	41.74	VOF204	52.20		
VOF037	21.00	VOF093	31.46	VOF149	41.92	VOF205	52.38		
VOF038	21.19	VOF094	31.65	VOF150	42.11	VOF206	52.57		
VOF039	21.37	VOF095	31.84	VOF151	42.30	VOF207	52.76		
VOF040	21.56	VOF096	32.02	VOF152	42.48	VOF208	52.94		
VOF041	21.75	VOF097	32.21	VOF153	42.67	VOF209	53.13		
VOF042	21.94	VOF098	32.40	VOF154	42.86	VOF210	53.32		
VOF043	22.12	VOF099	32.58	VOF155	43.04	VOF211	53.50		
VOF044	22.31	VOF100	32.77	VOF156	43.23	VOF212	53.69		
VOF045	22.50	VOF101	32.96	VOF157	43.42	VOF213	53.88		
VOF046	22.68	VOF102	33.14	VOF158	43.60	VOF214	54.06		
VOF047	22.87	VOF103	33.33	VOF159	43.79	VOF215	54.25		
VOF048	23.06	VOF104	33.52	VOF160	43.98	VOF216	54.44		
VOF049	23.24	VOF105	33.70	VOF161	44.16	VOF217	54.63		
VOF050	23.43	VOF106	33.89	VOF162	44.35	VOF218	54.81		
VOF051	23.62	VOF107	34.08	VOF163	44.54	VOF219	55.00		
VOF052	23.80	VOF108	34.26	VOF164	44.72	VOF220	55.19		
VOF053	23.99	VOF109	34.45	VOF165	44.91	VOF221	55.37		
VOF054	24.18	VOF110	34.64	VOF166	45.10	VOF222	55.56		
VOF055	24.36	VOF111	34.82	VOF167	45.29	VOF223	55.75		

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (1/2)

		· · · · · ·	ianao vo. v	oltage values		Tana 10 mo	· · · · · ·	D/2
Command	Voltage [V]		Command	Voltage [V]		Command	Volta	
\/DB000	50-inch Model		\/DD050	50-inch Model		\/DD440	50-inch Model	
VRP000	246.3	236.3	VRP056	270.6	260.6	VRP112	294.9	284.9
VRP001	246.7	236.7	VRP057	271.0	261.0	VRP113	295.4	285.4
VRP002 VRP003	247.1 247.6	237.1	VRP058	271.5	261.5	VRP114	295.8	285.8
			VRP059	271.9	261.9	VRP115	296.2	286.2
VRP004 VRP005	248.0 248.4	238.0 238.4	VRP060	272.3	262.3	VRP116	296.7 297.1	286.7
VRP006	248.9	238.9	VRP061 VRP062	272.8 273.2	262.8 263.2	VRP117 VRP118	297.5	287.1 287.5
VRP007	249.3	239.3	VRP063	273.6	263.6	VRP119	298.0	288.0
VRP008	249.7	239.7	VRP064	274.1	264.1	VRP120	298.4	288.4
VRP009	250.2	240.2	VRP065	274.1	264.5	VRP121	298.8	288.8
VRP010	250.2	240.2	VRP066	274.9	264.9	VRP121	299.3	289.3
VRP010	250.0	240.0	VRP067	274.9	265.4	VRP123	299.7	289.7
VRP011	251.0	241.5	VRP068	275.4	265.8	VRP123	300.1	290.1
VRP012	251.9	241.9	VRP069	276.2	266.2	VRP125	300.6	290.1
VRP014	252.4	242.4	VRP070	276.7	266.7	VRP126	301.0	291.0
VRP015	252.8	242.8	VRP071	277.1	267.1	VRP127	301.4	291.4
VRP016	253.2	243.2	VRP072	277.5	267.1	VRP128	301.9	291.4
VRP017	253.7	243.7	VRP073	278.0	268.0	VRP129	302.3	292.3
VRP018	254.1	244.1	VRP074	278.4	268.4	VRP130	302.7	292.7
VRP019	254.5	244.5	VRP075	278.9	268.9	VRP131	303.2	293.2
VRP020	255.0	245.0	VRP076	279.3	269.3	VRP132	303.6	293.6
VRP021	255.4	245.4	VRP077	279.7	269.7	VRP133	304.0	294.0
VRP022	255.8	245.8	VRP078	280.2	270.2	VRP134	304.5	294.5
VRP023	256.3	246.3	VRP079	280.6	270.6	VRP135	304.9	294.9
VRP024	256.7	246.7	VRP080	281.0	271.0	VRP136	305.3	295.3
VRP025	257.1	247.1	VRP081	281.5	271.5	VRP137	305.8	295.8
VRP026	257.6	247.6	VRP082	281.9	271.9	VRP138	306.2	296.2
VRP027	258.0	248.0	VRP083	282.3	272.3	VRP139	306.7	296.7
VRP028	258.4	248.4	VRP084	282.8	272.8	VRP140	307.1	297.1
VRP029	258.9	248.9	VRP085	283.2	273.2	VRP141	307.5	297.5
VRP030	259.3	249.3	VRP086	283.6	273.6	VRP142	308.0	298.0
VRP031	259.7	249.7	VRP087	284.1	274.1	VRP143	308.4	298.4
VRP032	260.2	250.2	VRP088	284.5	274.5	VRP144	308.8	298.8
VRP033	260.6	250.6	VRP089	284.9	274.9	VRP145	309.3	299.3
VRP034	261.0	251.0	VRP090	285.4	275.4	VRP146	309.7	299.7
VRP035	261.5	251.5	VRP091	285.8	275.8	VRP147	310.1	300.1
VRP036	261.9	251.9	VRP092	286.2	276.2	VRP148	310.6	300.6
VRP037	262.3	252.3	VRP093	286.7	276.7	VRP149	311.0	301.0
VRP038	262.8	252.8	VRP094	287.1	277.1	VRP150	311.4	301.4
VRP039	263.2	253.2	VRP095	287.5	277.5	VRP151	311.9	301.9
VRP040	263.6	253.6	VRP096	288.0	278.0	VRP152	312.3	302.3
VRP041	264.1	254.1	VRP097	288.4	278.4	VRP153	312.7	302.7
VRP042	264.5	254.5	VRP098	288.8	278.8	VRP154	313.2	303.2
VRP043	264.9	254.9	VRP099	289.3	279.3	VRP155	313.6	303.6
VRP044	265.4	255.4	VRP100	289.7	279.7	VRP156	314.0	304.0
VRP045	265.8	255.8	VRP101	290.1	280.1	VRP157	314.5	304.5
VRP046	266.3	256.3	VRP102	290.6	280.6	VRP158	314.9	304.9
VRP047	266.7	256.7	VRP103	291.0	281.0	VRP159	315.3	305.3
VRP048	267.1	257.1	VRP104	291.4	281.4	VRP160	315.8	305.8
VRP049	267.6	257.6	VRP105	291.9	281.9	VRP161	316.2	306.2
VRP050	268.0	258.0	VRP106	292.3	282.3	VRP162	316.6	306.6
VRP051	268.4	258.4	VRP107	292.8	282.8	VRP163	317.1	307.1
VRP052	268.9	258.9	VRP108	293.2	283.2	VRP164	317.5	307.5
VRP053	269.3	259.3	VRP109	293.6	283.6	VRP165	317.9	307.9
VRP054	269.7	259.7	VRP110	294.1	284.1	VRP166	318.4	308.4
VRP055	270.2	260.2	VRP111	294.5	284.5	VRP167	318.8	308.8

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■ Conversion charts for electronic VRs: Conversion chart for the Vyprst (2/2)

conversion cha			oltage values fo	or the 50-inch and	43-inch models	
Command	Volta	ge [V]	Command	Voltage [V]		
	50-inch Model 43-inch Model		Command	50-inch Model	43-inch Mode	
VRP168	319.2	309.2	VRP224	343.6	333.6	
VRP169	319.7	309.7	VRP225	344.0	334.0	
VRP170	320.1	310.1	VRP226	344.4	334.4	
VRP171	320.6	310.6	VRP227	344.9	334.9	
VRP172	321.0	311.0	VRP228	345.3	335.3	
VRP173	321.4	311.4	VRP229	345.7	335.7	
VRP174	321.9	311.9	VRP230	346.2	336.2	
VRP175	322.3	312.3	VRP231	346.6	336.6	
VRP176	322.7	312.7	VRP232	347.1	337.1	
VRP177	323.2	313.2	VRP233	347.5	337.5	
VRP178	323.6	313.6	VRP234	347.9	337.9	
VRP179	324.0	314.0	VRP235	348.4	338.4	
VRP180	324.5	314.5	VRP236	348.8	338.8	
VRP181	324.9	314.9	VRP237	349.2	339.2	
VRP182	325.3	315.3	VRP238	349.7	339.7	
VRP183	325.8	315.8	VRP239	350.1	340.1	
VRP184	326.2	316.2	VRP240	350.5	340.5	
VRP185	326.6	316.6	VRP241	351.0	341.0	
VRP186	327.1	317.1	VRP242	351.4	341.4	
VRP187	327.5	317.5	VRP243	351.8	341.8	
VRP188	327.9		VRP244		342.3	
	328.4	317.9		352.3		
VRP189		318.4	VRP245	352.7	342.7	
VRP190	328.8	318.8	VRP246	353.1	343.1	
VRP191	329.2	319.2	VRP247	353.6	343.6	
VRP192	329.7	319.7	VRP248	354.0	344.0	
VRP193	330.1	320.1	VRP249	354.4	344.4	
VRP194	330.5	320.5	VRP250	354.9	344.9	
VRP195	331.0	321.0	VRP251	355.3	345.3	
VRP196	331.4	321.4	VRP252	355.7	345.7	
VRP197	331.8	321.8	VRP253	356.2	346.2	
VRP198	332.3	322.3	VRP254	356.6	346.6	
VRP199	332.7	322.7	VRP255	357.0	347.0	
VRP200	333.2	323.2				
VRP201	333.6	323.6				
VRP202	334.0	324.0				
VRP203	334.5	324.5				
VRP204	334.9	324.9				
VRP205	335.3	325.3				
VRP206	335.8	325.8				
VRP207	336.2	326.2				
VRP208	336.6	326.6				
VRP209	337.1	327.1				
VRP210	337.5	327.5				
VRP211	337.9	327.9				
VRP212	338.4	328.4				
VRP213	338.8	328.8				
VRP214	339.2	329.2				
VRP215	339.7	329.7				
VRP216	340.1	330.1				
	340.5	330.5				
VRP217						
	341.0	331.0				
VRP217 VRP218						
VRP217 VRP218 VRP219	341.4	331.4				
VRP217 VRP218 VRP219 VRP220	341.4 341.8	331.4 331.8				
VRP217 VRP218 VRP219	341.4	331.4				

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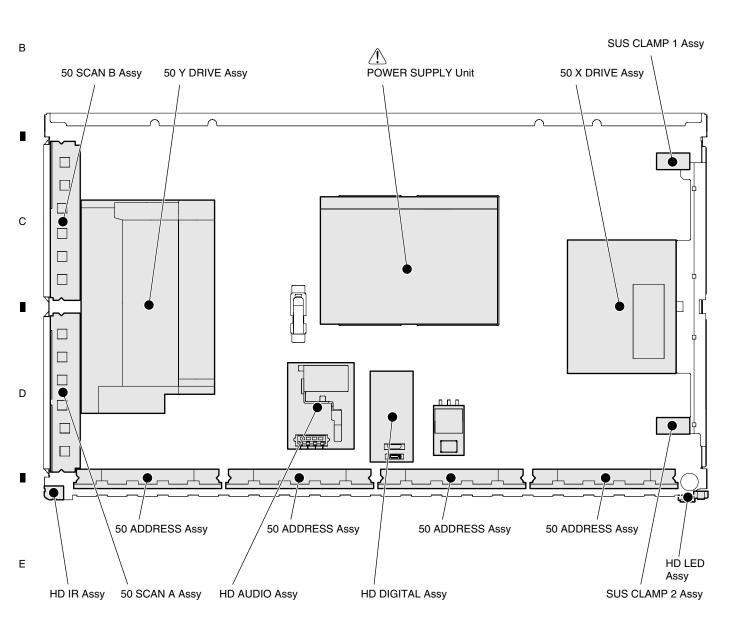
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7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 PCB LOCATION



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7.1.2 DIAGNOSIS OF SHUTDOWN/POWER-DOWN INDICATED BY LEDS

• Operation statuses indicated by LEDs

Status		LED Pattern						
Standby	1	Lit in Red	Blue Red					
Power ON	2	Lit in Blue	Blue Red					
AC Power OFF of one side	3	Red flashes (1000ms)	Blue Red	1000ms				
System cable disconnection	4	Red and blue flash (1000ms)	Blue Red	1000ms 1000ms				
Power-down	5	Red flashes (500+2500ms)	Blue Red	Once Twice 2.5s Once 500ms				
Shutdown	6	Blue flashes (500+2500ms)		500ms Once Twice Once 2.5s Once				
No backup copy	7	Lit in Red and blue flashes (200ms)	Blue Red	200ms				

: Lit in Red LED
: Lit in Blue LED

• PD (power-down) count

1	Not used
2	POWER SUPPLY Unit
3	SCAN Assy
4	5V power supply for SCAN
5	Y-DRIVE (Not used)
6	DCDC for Y drive
7	Y-SUS
8	ADDRESS Assy
9	X-DRIVE
10	DCDC for X drive
11	X-SUS
12	Not used
13	Sequence drive stop
14	Not used
15	UNKNOWN

• SD (shut down) count

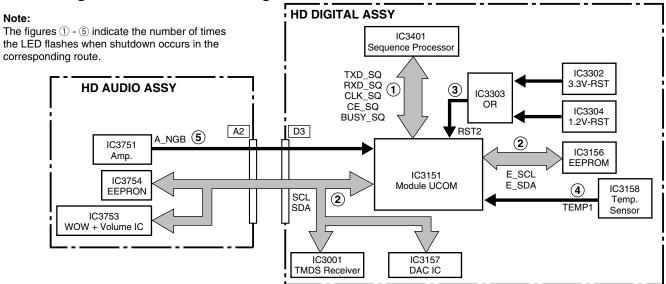
1	SEQUENCE PROCESSOR (SQ_IC)
2	MDU-IIC
3	RST2 abnormality
4	Panel high temperature
5	Speaker short-circuit *

* When a jumper (J105) between the HD AUDIO Assy and the POWER SUPPLY Unit is disconnected, the SD LED flashes five times in this manner.

Note:

- When a shutdown occurs, a warning will be issued by the Media Receiver and displayed, then the power will be shut off.
- When a shutdown or power-down occurs on the Panel side, the Media Receiver will enter Standby mode (the red LED will light).

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• Diagnosis of shutdown

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Number of flashes	SD Circuit in Operation	Defective Assy	Reason for Shutdown	Point to be Checked	Possible Defective Part	Remarks
			Communication failure of IC3401	SQ ASIC BLOCK, PANEL FLASH BLOCK	IC3401, IC3301	
1 time	Communication failure of the driving processor	HD DIGITAL	Writing failure of IC3401			Check if version data can be read, using the "GS1" command, after the power is turned on again.
		HD DIGITAL	Communication failure of the EEPROM (for	MODULE UCOM BLOCK	IC3156, IC3157	
			retaining 4-Kbyte of data)	TMDS BLOCK	IC3001	
2 times	Communication failure of the IIC line (Check the SD subcategory on	HD AUDIO	Communication failure of the EEPROM (2-kbyte : for backup)	AUDIO AMP BLOCK	IC3754	
	the Factory Menu.)		Disconnection of connectors	A2 - D3		Check if the connectors are disconnected or are not connected securely.
			Defective volume IC	HD AUDIO Assy	IC3753	
			Defective DC-DC converter	DIGITAL DD CON BLOCK	U3601	Check if 3.3-V and 1.2-V power supplies are activated.
3 times	Power failure of the driving		Defective RST IC	PANEL FLASH BLOCK	IC3302 - IC3304	
	processor (RST2)		Defective IC3401	SQ ASIC BLOCK	IC3401	
		POWER SUPPLY	The 8-V power supply is not activated.			Check if the 8-V power is supplied at Pin 1 of the D11 connector.
4 times	Abnormally high temperature of the panel		Abnormally high temperature of the panel	Ambient temperature		The Panel will be shut down if the sensor detects temperature of 75°C or higher (for the PDP-436P/-506P).
			Speakers' grounding fault	Speaker terminals		Check if the speaker cables are in contact with the chassis, etc.
5 times	5 times Audio failure	HD AUDIO	Defective AMP IC	HD AUDIO Assy	IC3751	
		HD AUDIO	Disconnection of connectors	A1 - P5		Check if the connectors are disconnected or are not connected securely.

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OVP : OVER VOLTAGE PROTECT UVP : UNDER VOLTAGE PROTECT

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■ Top screen of the Factory Menu for the main unit

MR INFORMATION

< MUTE > key

FUNC. CHECK

< MUTE > key

COMMON ADJ.

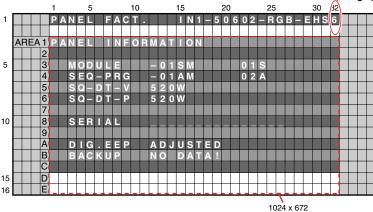
< MUTE > key
PANEL FACTORY

< SET > key

√

Top screen of the Panel Factory

If a Panel of Generation 6 is connected, "6" is indicated here.



Note: With this model, the structure of Factory mode has been changed, and all items related to the Panel are gathered into PANEL FACTORY mode.

Note: On-screen displays in Factory mode are indicated in white characters on a green background for the PDP-506HD/436HD and subsequent models.

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■ Configuration of Panel Factory mode

No.	Submode Name	Adjustable Range	Remarks
INO.	Submode Items	Aujustable natige	nemarks
1	PANEL INFORMATION		
2	PANEL WORKS		
3	POWER DOWN		
4	SHUT DOWN		
5	PANEL-1 ADJ (+)		
5-1	X-SUS B <=>	120 to 136	Equivalent to XSB
5-2	Y-SUS B <=>	120 to 136	Equivalent to YSB
5-3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
5-4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5-5	XY-RST W <=>	120 to 136	Equivalent to RSW
5-6	VOL SUS <=>	000 to 255	Equivalent to VSU
5-7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
5-8	VOL RST P <=>	000 to 255	Equivalent to VRP
5-9	SUS FREQ. <=>	MODE1 to MODE8	Equivalent to SFR
6	PANEL-2 ADJ (+)		
6-1	R-HIGH <=>	000 to 511	Equivalent to PRH
6-2	G-HIGH <=>	000 to 511	Equivalent to PGH
6-3	B-HIGH <=>	000 to 511	Equivalent to PBH
6-4	R-LOW <=>	000 to 999	Equivalent to PRL
6-5	G-LOW <=>	000 to 999	Equivalent to PGL
6-6	B-LOW <=>	000 to 999	Equivalent to PBL
6-7	ABL <=>	000 to 255	Equivalent to ABL
7	PANEL REVISE		
7-1	R-LEVEL <=>	LV-0 to LV-7	Equivalent to RRL
7-2	G-LEVEL <=>	LV-0 to LV-7	Equivalent to RGL
7-3	B-LEVEL <=>	LV-0 to LV-7	Equivalent to RBL
8	ETC (+)		
8-1	BACKUP DATA <=>	NO OPRT<=>TRANSFER or ERR	Equivalent to BCP
8-2	DIGITAL EEPROM <=>	NO OPRT<=>DELETE/REPAIR	Equivalent to FAJ/UAJ
8-3	PD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPD
8-4	SD INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CSD
8-5	HR-MTR INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CHM
8-6	PM/B1-B5 <=>	NO OPRT <=>CLEAR	Equivalent to CPM
8-7	P-COUNT INFO. <=>	NO OPRT <=>CLEAR	Equivalent to CPC
9	MASK SETUP (+)		
9-1	MASK OFF		Equivalent to MKS+S00
9-2	SGL MASK 01 <=>		Equivalent to MKS+S01
9-3	SGL MASK 02 <=>		Equivalent to MKS+S02
	•••	<pre><=>V48<=>V50<=>V60<=>P60<=>P70<=>V72<=>V75<=> (Select each sequence.)</pre>	•••
9-62	CMB MASK 08 <=>	(13.13.13.13.13.13.13.1)	Equivalent to MKC+S08
9-63	CMB MASK 09 <=>		Equivalent to MKC+S09

В

С

D

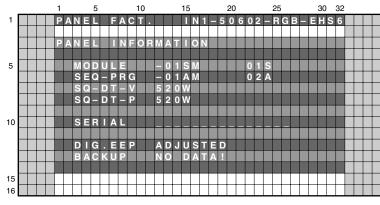
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■ Details on submodes related to the panel

The GUI display examples here are those displayed when the main unit is used with the 50-inch model.

1. PANEL INFORMATION



■ Key operation

<DOWN> : Shifting to PANEL WORKS <UP> : Shifting to MASK SETUP (+)

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

The version of the microcomputer of the panel, serial number of the main unit, adjustment values of the main unit, and backup status are displayed.

2. PANEL WORKS

С

- The data from the pulse meter for each block from PM-B1 to PM-B5 are indicated. The values stored in the EEPROM (3 bytes each) are each converted into a decimal number, and the higher-order 8 digits are displayed (that means that the lowest-order digit represents millions).
- TEMP1: Indicates the temperature of the panel. By your pressing the L or R key, the temperature value can be updated.

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3. POWER DOWN

■ Key operation

<DOWN> : Shifting to SHUTDOWN <UP> : Shifting to PANEL WORKS

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

В

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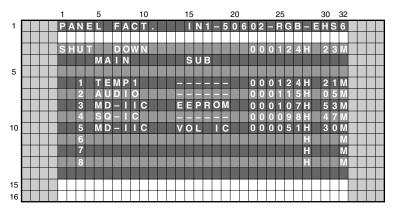
Ε

• Basically, data acquired with the command QPD are displayed in the columns "1ST" and "2ND, with the values from the hour meter when the power-down occurred.

<Causes of power-down and corresponding OSD indications>

Cause of power-down	OSD Indication	Cause of power-down	OSD Indication
POWER SUPPLY Unit	P-PWR	ADDRESS Assy	ADRS
SCAN Assy	SCAN	X-DRIVE Assy	X-DRV
5V power for SCAN	SCN5V	DCDC for X drive	X-DCDC
Not used		X-SUS	X-SUS
DCDC for Y drive	Y-DCDC	Sequence drive stopped	SQ-NON
Y-SUS	Y-SUS	Specification inability	UNKNOW

4. SHUT DOWN



■ Key operation

<DOWN> : Shifting to PANEL-2ADJ (+) <UP> : Shifting to POWER DOWN

<SEL> : MASK ON/OFF

<L/R> : Updating displayed information

• Basically, data acquired with the command QSD (for MDU-IIC, subcategory data are also displayed) are displayed with the values from the hour meter when the shutdown occurred.

<Causes of shutdown and corresponding OSD indications>

Cause of shutdown (main)	OSD Indication	
SEQUENCE PROCESSOR	SQ-IC	
MDU-IIC	MDU-IIC (with subcategory)	
Abnormality in RST2	RST2	
Panel having high temperature	TEMP1	
Short-circuited speaker	AUDIO	

Cause of shutdown (sub)	OSD Indication
EEPROM	EEPROM (IC3156)
BACKUP	BACKUP (IC3754)
DAC	DAC (IC3302 to IC3304)
Audio IC	VOL-IC (IC3158)
DVI	DVI

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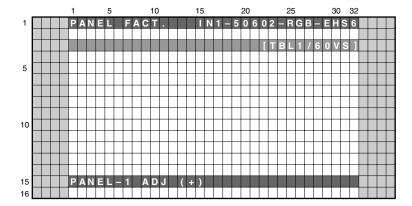
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5. PANEL-1 ADJ

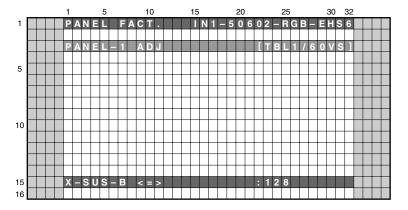
В



■ Key operation

<DOWN> : Shifting to PANEL-2 ADJ (+) <UP> : Shifting to POWER DOWN <SET> : Shifting to the next nested layer

<SEL> : MASK ON/OFF



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Drive-sequence indications and indications for the ABL/WB tables> (The OSD indications are displayed at the right part of the third line for submode PANEL-1 ADJ and subsequent submodes.)

Type of WB/ABL Tables		Type of Drive Sequences					
		Standard Video/MASK ON Nonstandard Video		onstandard Video	PC		
TBL1		48VS				60PS	Not used for consumer products
TBL2		50VS		50VN		70PS	
TBL3		60VS		60VN			
TBL4		72VS	Only Mask indication				
		75VS		75VN			

<Lower-layer items of PANEL-1 ADJ>

No.	Items	Adjustment/Setting Value	Remarks
1	X-SUS B <=>	120 to 136	Equivalent to XSB
2	Y-SUS B <=>	120 to 136	Equivalent to YSB
3	Y-SUSTAIL T <=>	120 to 136	Equivalent to YTG
4	Y-SUSTAIL W <=>	120 to 136	Equivalent to YTW
5	XY-RST W <=>	120 to 136	Equivalent to RSW
6	VOL SUS <=>	000 to 255	Equivalent to VSU
7	VOL OFFSET <=>	000 to 255	Equivalent to VOF
8	VOL RST P <=>	000 to 255	Equivalent to VRP
9	SUS FREQ. <=>	<=>MODE1 to MODE8<=>	Equivalent to SFR

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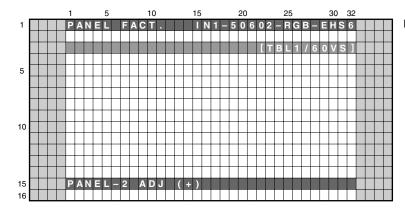
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6. PANEL-2 ADJ

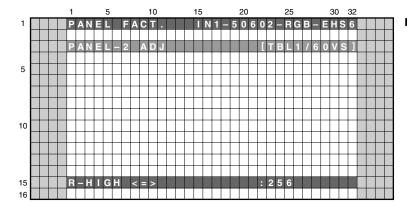


■ Key operation

<DOWN> : Shifting to PANEL REVISE <UP> : Shifting to PANEL-1 ADJ (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item
<UP> : Shifting to the previous item
<RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the adjustment value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of PANEL-2 ADJ>

No.	Items	Adjustment/Setting Value	Remarks
1	R-HIGH <=>	000 to 511	Equivalent to PRH
2	G-HIGH <=>	000 to 511	Equivalent to PGH
3	B-HIGH <=>	000 to 511	Equivalent to PBH
4	R-LOW <=>	000 to 999	Equivalent to PRL
5	G-LOW <=>	000 to 999	Equivalent to PGL
6	B-LOW <=>	000 to 999	Equivalent to PBL
7	ABL <=>	000 to 255	Equivalent to ABL

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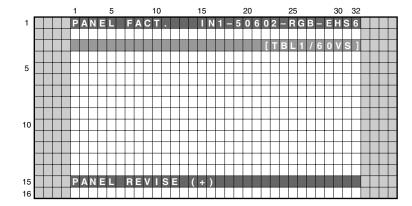
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7. PANEL REVISE

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■ Key operation

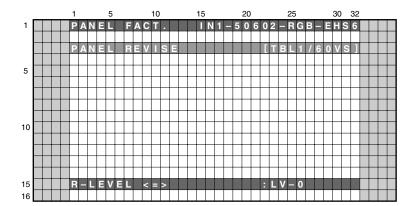
3

<DOWN> : Shifting to ETC.(+)

<UP> : Shifting to PANEL-2 ADJ (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item <UP> : Shifting to the previous item <RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<VOL+> : Adding by 10 to the adjustment

value

<VOL-> : Subtracting by 10 from the

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

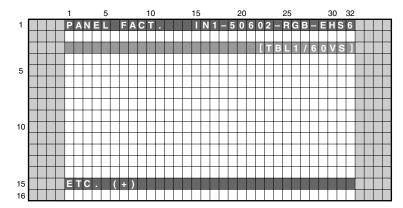
<SEL> : MASK ON/OFF

<Lower-layer items of PANEL REVISE>

No.	Items	Adjustment/Setting Value	Remarks
1	R-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RRL
2	G-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RGL
3	B-LEVEL <=>	<=>LV-0 to LV-7<=>	Equivalent to RBL

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8. ETC.

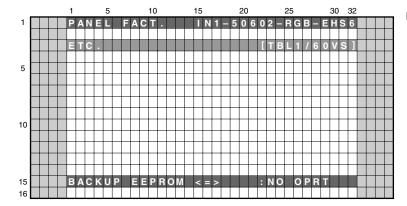


■ Key operation

<DOWN> : Shifting to MASK SETUP (+)
<UP> : Shifting to PANEL REVISE (+)

<SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next item
<UP> : Shifting to the previous item
<RIGHT> : Adding by one to the adjustment

value

<LEFT> : Subtracting by one from the

adjustment value

<SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of ETC.>

No.	Items	Adjustment/Setting Value	Remarks
1	BACKUP DATA <=>	<=>NO OPRT<=>TRANSFER<=>	"ERR" is indicated when no data are in the backup EEPROM. To activate the option to select TRANSFER, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)
2	DIGITAL EEPROM <=>	<=>NO OPRT<=>REPAIR/DELETE<=>	"DELETE" is indicated when the main unit has been already adjusted. To activate the option to select REPAIR/DELETE, press the SET key about 5 seconds. (There is a situation resting more than 5 seconds.)
3	PD INFO. <=>	<=>NO OPRT<=>CLEAR<=>	
4	SD INFO. <=>	<=>NO OPRT<=>CLEAR<=>	To activate the option to select CLEAR, repeatedly
5	HR-MTR INFO. <=>	<=>NO OPRT<=>CLEAR<=>	press the SET key about 5 seconds.
6	PM/B1-B5 <=>	<=>NO OPRT<=>CLEAR<=>	(There is a situation resting more than 5 seconds.)
7	P-COUNT INFO. <=>	<=>NO OPRT<=>CLEAR<=>	

- "NO OPRT" is selected when this submode is entered (to avoid accidental misoperation).
- When each item is set, the process starts then the unit shifts to the upper layer. (When NO OPRT is determined, the unit will shift to the upper layer without doing anything.)
- When data are set to be backed up, if the digital EEPROM has not been adjusted, do the operation of LED pattern No. 7.

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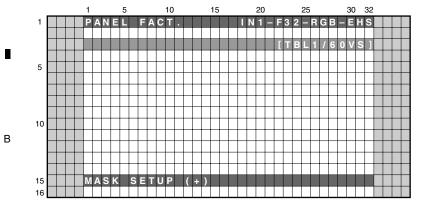
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9. MASK SETUP

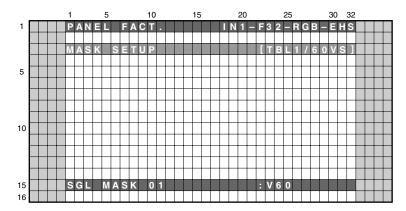


■ Key operation

<DOWN> : Shifting to PANEL INFORMATION

<UP> : Shifting to ETC. (+) <SEL> : MASK ON/OFF

<SET> : Shifting to the next nested layer



■ Key operation

<DOWN> : Shifting to the next MASK <UP> : Shifting to the previous MASK <RIGHT> : Changing MASK sequence (+) <LEFT> : Changing MASK sequence (-) <SET> : Determining the setting value

and shifting to the upper layer

<SEL> : MASK ON/OFF

<Lower-layer items of MASK SETUP>

No.	Items	Adjustment/Setting Value	Remarks
1	MASK OFF		Equivalent to MKS+S00
2	SGL MASK 01 <=>		Equivalent to MKS+S01
3	SGL MASK 02 <=>	<=>48V<=>50V<=>60V<=>	Equivalent to MKS+S02
4	•••	60P<=>70P<=>72V<=>75V<=>	•••
5	CMB MASK 09 <=>		Equivalent to MKC+S08
6	CMB MASK 10 <=>		Equivalent to MKC+S09

• With the keys <LEFT> and <RIGHT>, the Panel drive sequence in the MASK indication is changed in the following way: <=>48V<=>50V<=>60V<=>72V<=>75V<=>60P<=>70P<=>

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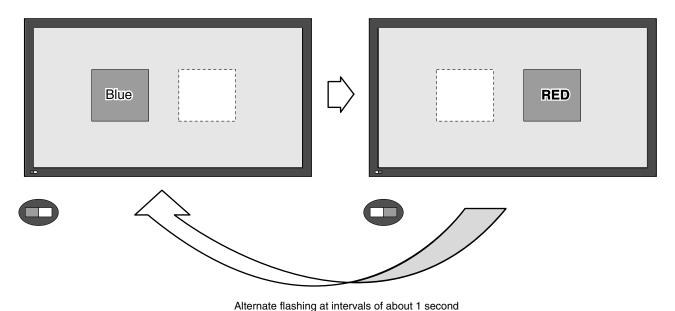
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7.1.4 OPERATION WHEN THE MEDIA RECEIVER IS NOT CONNECTED

As the connection conditions of the system cables (MDR cable, DVI cable) are usually detected, if no connection, such as cable disconnection, is detected, a warning indication (alternate flashing of the red and blue areas) is displayed on the mask screen, and the red and green LEDs flash alternately. Then after about 30 seconds, the power is automatically turned off.



Alternate hashing at intervals of about 1 second

To operate the panel without the Media Receiver, there are the following two ways:

1. Operation-without-the-Media-Receiver mode

Input the "SYS S00" RS232C command. The status of the LEDs changes to that in normal operation mode.

Note: Turning the AC switch to OFF then ON also maintains this mode. However, once the unit is connected with the Media Receiver using the System cable, this mode is automatically canceled.

2. DVI mode

Turn the unit on while DVI SG signals are being input with only the DVI connecter connected. After a warning is displayed for about 5 seconds, the unit is ready to display the screen of the input signal. (Blue LED lit)

Notes: • Although the output from XGA (43 inch) and WXGA (50 inch) can be input to the unit, this is not a mode open to general users. (With some signals, errors such as power-down may occur.)

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7.1.5 POWER ON/OFF FUNCTION FOR THE LARGE-SIGNAL SYSTEM

Function: To prevent a power-down from being generated, operation of only the digital-signal processing and audio circuits are enabled, and power is not supplied to the panel driving system (large-signal system).

Usages: 1. In a case where a check is required of signals' being correctly output to the driving systems during a repair, etc.

2. In a case where diagnosis is required for judging whether the power to the large-signal system or small-signal system has been down when a power-down occurred

Methods: 1. Short-circuit the points (see Fig. 4 below) on the face and on the reverse side of the HD DIGITAL Assy.

2. Issue the "DRV S00" RS-232C command. (Command for turning the function off: DRV S01)

Notes: • When the power to the large-signal system is off, as the PD signal is muted, power-downs other than PS_PD are not activated.

• As soon as the clips are removed while the power to the large-signal system is off, a power-down will occur. Be sure to turn the power off before removing the clips.

• While this function is activated with RS-232C commands, it is possible to issue "DRV S01" (for turning the function off) while the power is on. However, as it may damage the unit, turn the power off before issuing the "DRV S01" command.

 Although the "DRV S00/S01" RS-232C commands are valid during Standby mode, once the main power is turned off, the unit will return to "DRV S01."

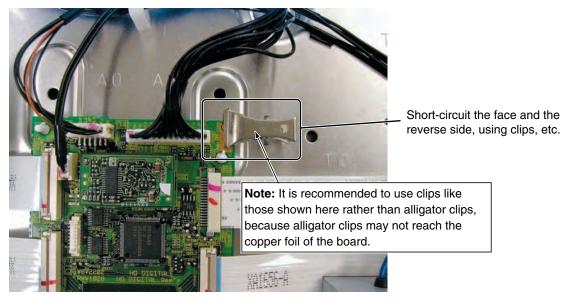


Fig. 4 Position of DRIVE OFF

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7.1.6 BACKUP WHEN THE MAIN UNIT IS ADJUSTED

Outline

Adjustment data set at the factory are stored in the EEPROM (IC****/4K) on the HD DIGITAL Assy. Those adjustment data are automatically backed up in the EEPROM (backup EEPROM: IC****) on the HD AUDIO Assy. Therefore, even if the HD DIGITAL Assy is replaced, the adjustment data can be restored by copying the backup data, which enables you to omit newly performing adjustments on the main unit.

Data to be backed up

- Voltage margin adjustment values
- Data on the hour meter
- Upper limit of power-adjustment value
- Data on the pulse meter
- Panel WB adjustment values
- Serial number
- Drive waveform adjustment values
- Data of the P-ON counter
- PD/SD histories

How to copy the backup data

1. When the HD DIGITAL Assy is replaced with that for service (normal servicing) (In a case where no data are on the DIG. EEP, and backup data have been adjusted)

Command: "BCP" (Effective during FAY) Factory Menu

> PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT >> (right) BACKUP DATA: TRANSFER

[set] (Press and hold for 5 seconds.)

- After the HD DIGITAL Assv is replaced with that for service, check that "DIG. EEP: NO DATA!" is displayed on the Panel Information screen of the Factory Menu.
- If this command is not executed, the red LED lights, and the blue LED flashes, to warn you that copying of the backup adjustment data for the main unit failed.
- If both the HD DIGITAL Assy and HD AUDIO Assy are to be replaced, first replace the HD AUDIO Assy and set the unit to Standby mode. Then replace the HD DIGITAL Assy.

2. In a case where a HD DIGITAL Assy that was mounted on another unit is to be reused as a service part.

Command: "FAJ" (Effective during FAY)

Factory Menu: PANEL FACT => ETC => DIGITAL EEPROM: DELETE

PANEL INFORMATION ▼ (down) ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT ▼ (down)

• If the HD DIGITAL Assy of Unit 1 is mounted to be reused in Unit 2 to be repaired, and Unit 2 enters Standby mode, the adjustment data and histories stored in Unit 1 are erased, and those of Unit 2 are copied. Once overwritten, the original data will not be restored. After the Assy is replaced, be sure to enter Factory mode, using the remote control unit for servicing, and perform the procedures described herein. Or, before mounting an Assy to be reused as a service Assy, perform these procedures then mount it on the product to be repaired.

DIGITAL EEPROM: NO OPRT >> (right)

DIGITAL EEPROM: REPAIR

[set] (Press and hold for 5 seconds.)

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3. In a case where the HD DIGITAL Assy is replaced with one for servicing because of a defective EEPROM on the original Assy and manual adjustments are to be performed (In a case where no data are stored in the HD DIGITAL Assy or as backup, and the values that have been manually adjusted on Service Menu are to be applied as adjustment data for the main unit) Command: "UAJ" (Effective during FAY) Factory Menu PANEL INFORMATION ▼ (down) В ▼ (down) ETC. (+) [set] BACKUP DATA: NO OPRT ▼ (down) DIGITAL EEPROM: NO OPRT >> (right) DIGITAL EEPROM: REPAIR [set] (Press and hold for 5 seconds.) • If the HD DIGITAL Assy with which adjustment data for the main unit have been copied is mounted, the above procedures are not necessary after manual adjustment. (The indication "DIGITAL EEPROM: REPAIR" will not be displayed.)

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■ Clearing data on various histories when the HD DIGITAL Assy is replaced

Other than adjustment data for the main unit, data to be backed up include the accumulated power-on time and a history of defective parts, which are data updated and stored in memory. Among those data, some are required to be cleared when the HD DIGITAL Assy is replaced for servicing, as shown below:

		Т	ype of servicing		RS-232C
Item	Backed-up data	Panel replacement	Replacement of the power-supply block	Others	command
Hour meter	Accumulated display	To be cleared	Not to be cleared	Not to be cleared	СНМ
SD history	Point where an SD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CSD
PD history	Point where a PD occurred and data on the hour meter	To be cleared	Not to be cleared	Not to be cleared	CPD
Pulse meter	Accumulated number of pulses of the Panel (5 blocks)	To be cleared (essential)	Not to be cleared	Not to be cleared	СРМ
Accumulated number of power-ons	Accumulated number of RELAY_ONs	Not to be cleared	To be cleared (essential)	Not to be cleared	CPC

Notes:

1: With the PDP-506P/436P and subsequent models, because various compensation functions use pulse-meter data for calculating compensation values, if related Assys are replaced, data on various histories must be cleared.

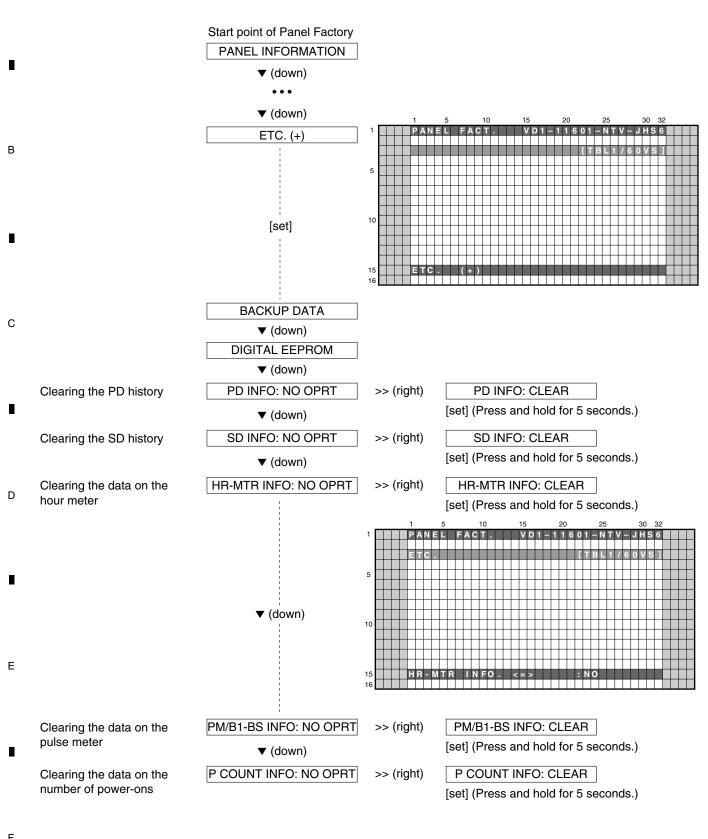
2: To clear data using RS-232C commands, after entering Factory mode (by sending FAY or PFY), issue a corresponding command. Otherwise, the command will not be executed.

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■ How to clear the history for each item on the Factory Menu



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Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1 Rear Case (506)

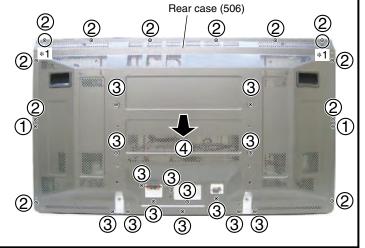
- (1) Remove the two screws.
- (2) Remove the tweleve screws.
- Remove the fourteen screws.

Note *1:

When reassembling, first secure the screws for these holes to position the rear case (506) correctly.

The hole of a left side, the screw tighten the hole of the right side next first.

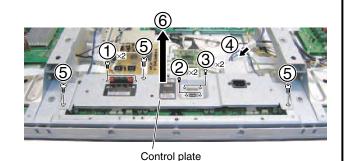
(4) Remove the rear case (506).

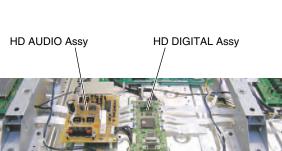




2 Control Plate Section

- 1 Remove the two screws.
- (2) Remove the two screws.
- $\widehat{\mathbf{3}}$ Remove the two hexagon head screws.
- (4) Disconnect the connector.
- (5) Remove the three screws.
- (6) Remove the control plate.







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1 2 3 4

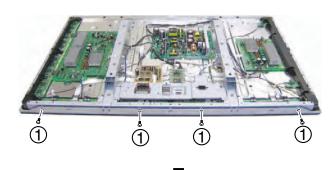
3 Front Case Assy (506PE)

(1) Remove the four screw rivets.

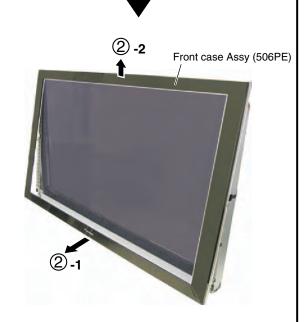
В

D

Ε



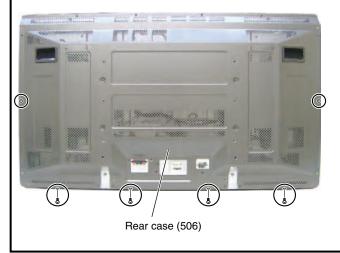
2 Remove the front case Assy (506PE).



When only the front case assy (506PE) is to be removed

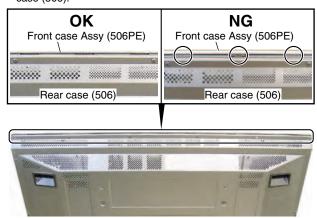
The front case assy (506PE) can be removed without removing the rear case (506) beforehand.

Remove the two screws and four screw rivets shown below:



Note when the front case assy (506PE) is to be reattached

- ① Hook the upper part of the Front Case Assy (506PE) on the upper part of the Front Panel, leaving a fist-sized gap between the bottom and the lower part of the Front Case Assy.
- ② Push the couplers of the Front Case Assy (506PE) into the rear case (506).
- 3 Make sure that all the couplers have been pushed into the rear case (506).





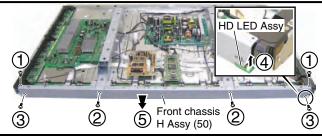
82

PDP-506PE

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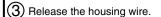
- 1 Remove the two screws.
- (2) Remove the two screws.
- (3) Remove the two screws.
- (4) Disconnect the connector.
- (5) Remove the front chassis H Assy (50).



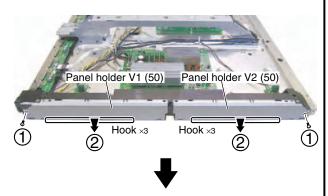


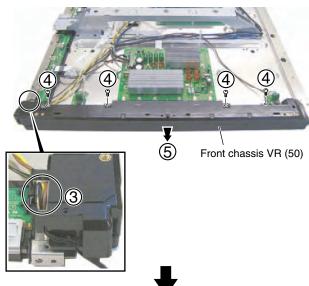
5 SUS CLAMP 1 and 2 Assys

- 1 Remove the two screws.
- Remove the panel holder V1 (50) and V2 (50)s. (Unhook the six hooks.)



- A Remove the four screws.
- (5) Remove the front chassis VR (50).





- (6) Remove the two screws.
- (7) Remove the two screws.
- ig(8 ig) Unhook the two PCB spacers.
- (9) Remove the SUS CLAMP 1 and 2 Assys.



SUS CLAMP 2 Assy

SUS CLAMP 1 Assy



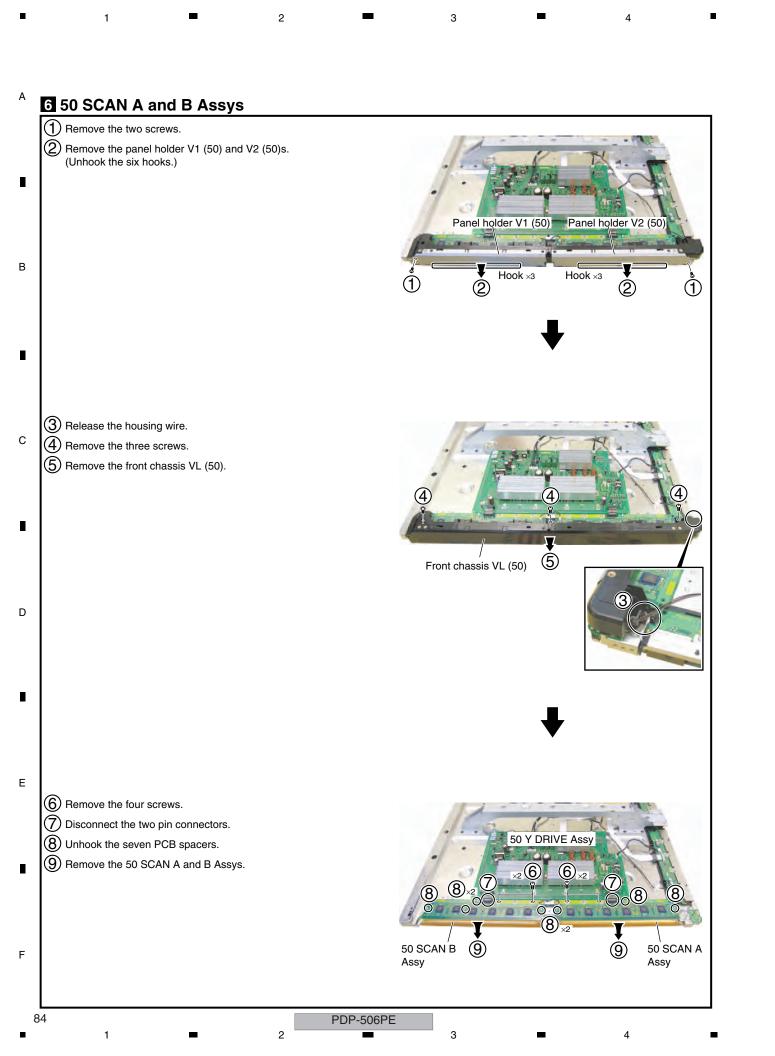
PDP-506PE

83

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В

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7.2 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

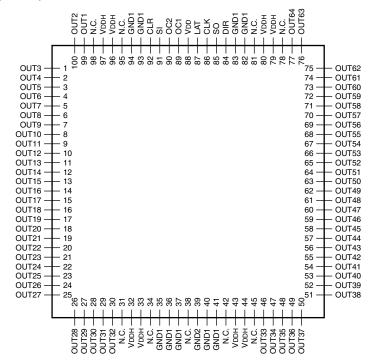
List of IC

AN16025A, TC7SH08FUS1, TC74VHC00FTS1, AXF1140, AXF1142, TC74VHC08FTS1, AXF1141, M62334FP, TC74VHC123AFTS1, PST3610UR, PEG122C, NJW1183L

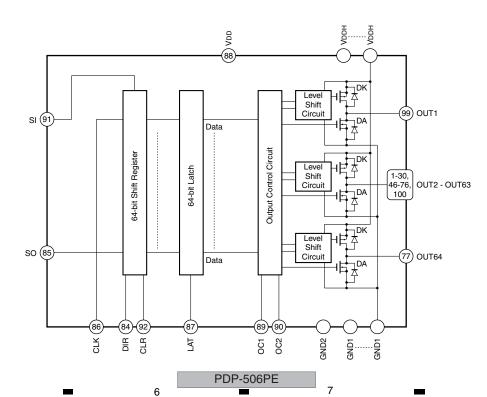
■ AN16025A (50 SCAN A ASSY : IC2701 - IC2706) (50 SCAN B ASSY : IC2801 - IC2806)

• Plasma Display Panel IC

Pin Arrangement (Top view)



Block Diagram



85

8

В

С

D

■ 2 **■** 3 **■** 4

Α

В

С

• Pin Function

	No.	Pin Name	1/0	Pin Function					
Γ	1 - 30	OUT3 - OUT32	0	High-voltage push-pull output					
	31	N.C.	_	Not connected					
	32 - 33	VDDH	_	High-voltage circuit supply					
F	34	N.C.	_	Not connected					
F	35 - 37	GND1	_	Ground					
	38	N.C.	_	Not connected					
	39	GND2	_	Ground					
	40 - 41	GND1	_	Ground					
Γ	42	N.C.	_	Not connected					
F	43 - 44	VDDH	_	High-voltage circuit supply					
Γ	45	N.C.	_	Not connected					
F	46 - 77	OUT33 - OUT64	0	High-voltage push-pull output					
F	78	N.C.	_	Not connected					
F	79 - 80	VDDH	_	High-voltage circuit supply					
F	81	N.C.	_	Not connected					
Γ	82 - 83	GND1	_	Ground					
	84	DIR	I	Setup of shift register shift direction L = Shift into reverse (SO \rightarrow SI) H = Shift forward (SI \rightarrow SO)					
r	85	SO	I/O	Serial data input / output					
r	86	CLK	I	Serial clock input Fetch SI or SO data to shift register by CLK rise edge					
	87	LAT	I	LAT data input L = Transfer shift register data to output latch H = Hold data to output latch					
Γ	88	VDD	_	Logic supply					
Γ					OC1	OC2	OUT		
1	89	OC1	I		L	L	ALL Hi-Z		
L				Output control Control output according to the right	늗	Н	DATA		
1				truth value table	뉴	L	ALL L		
	90	OC2	I		┝╫	Н	ALL H		
F					11	ALLII			
╁	91	SI	I/O	' '					
F	92	CLR	I	All output reset CLR pin : L → Normal operation CLR p	oin : H -	→ All o	utput High		
F	93 - 94	GND1	_	around					
\perp	95	N.C.	_	Not connected					
	96 - 97	VDDH	_	High-voltage circuit supply					
	98	N.C.	_	Not connected					
	99 - 100	OUT1 - OUT2	0	High-voltage push-pull output					

Ε

D

F

86

PDP-506PE

2 ■ 3 ■ 4

■ TC7SH08FUS1 (50 SCAN B ASSY : IC2807)

• 2-input AND Gate

5

• Pin Arrangement (Top view) / Block Diagram

IN B 1 5 Vcc IN A 2 4 OUT Y

• Truth Table

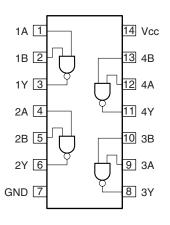
Α	В	Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	Н

■ TC74VHC00FTS1 (50 X DRIVE ASSY : IC1002)

• Quad 2-Input NAND Gate

5

Block Diagram



• Truth Table

Α	В	Υ
L	L	Н
L	Н	Н
Н	L	Н
Н	Н	L

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В

С

D

Ε

F

PDP-506PE

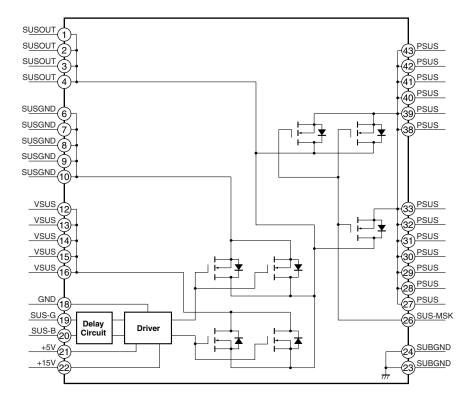
■ AXF1140 (50 X DRIVE ASSY : IC1202)

• X Mask Module

Block Diagram

В

D

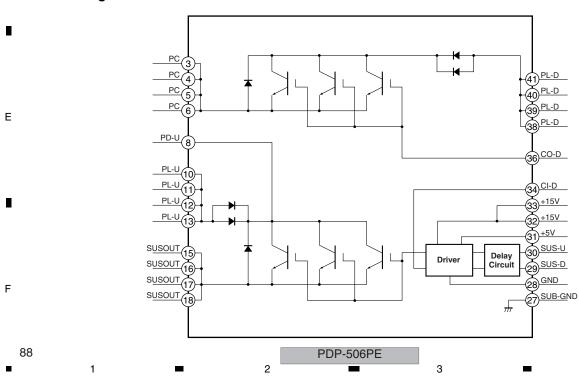


3

■ AXF1142 (50 X DRIVE ASSY : IC1101) (50 Y DRIVE ASSY : IC2101)

• DK Module

Block Diagram

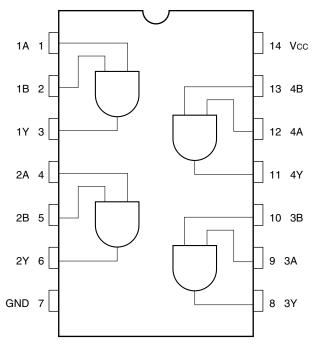


■ TC74VHC08FTS1 (50 Y DRIVE ASSY : IC2003, IC2005)

• Quad 2-input AND Gate

5

● Pin Arrangement (Top view) / Block Diagram



• Truth Table

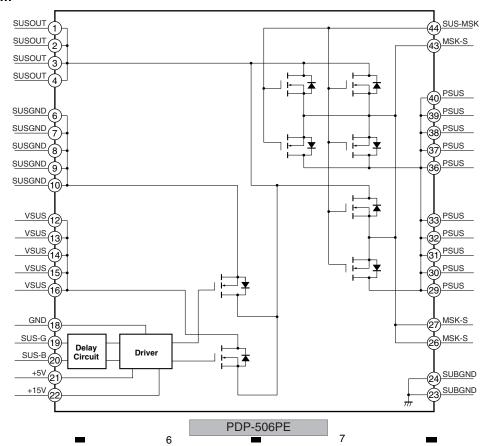
Α	В	Y
L	L	Ш
L	Н	L
Н	L	L
Н	Н	Н

■ AXF1141 (50 Y DRIVE ASSY : IC2252, IC2253)

• Y Mask Module

5

Block Diagram



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8

В

С

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Ε

■ M62334FP (HD DIGITAL ASSY : IC3157)

• 8-bit 4ch I2C Bus D-A Converter with Buffer Amplifier

• Pin Arrangement (Top view)

AO1 1 8 VCC AO2 2 7 SCL AO3 3 6 SDA AO4 4 5 GND

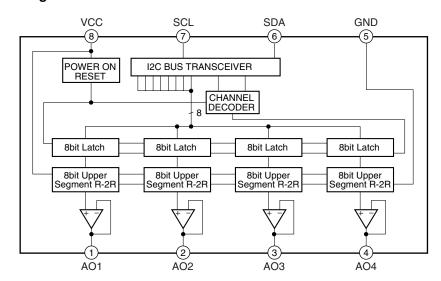
Pin Function

3

No.	Pin Name	Pin Function			
1	AO1				
2	AO2	O hit was allution D. A sourcetter suction t			
3	AO3	8-bit resolution D-A converter output			
4	AO4				
5	GND	Ground			
6	SDA	Serial data input			
7	SCL	Serial clock input			
8	vcc	Power supply			

Block Diagram

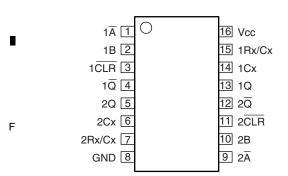
В



■ TC74VHC123AFTS1 (HD DIGITAL ASSY : IC3160)

• Dual Monostable Multivibrator/AFN/AFT Retriggerble

Pin Arrangement (Top view)



• Truth Table

	Inputs	i	Out	puts	Note
Ā	В	CLR	Ø	Q	Note
7_	Н	Н	1		Output enable
Х	L	Н	L H		Inhibit
Н	Х	Н	L H I		Inhibit
L	ا	Н	7	T	Output enable
L	Η		J	П	Output enable
Х	Χ	Ĺ	Ĺ	Н	Reset

X: Don't care

90

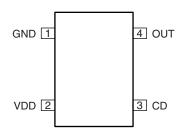
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PDP-506PE

■ PST3610UR (HD DIGITAL ASSY : IC3304) • Reset IC

• Pin Arrangement (Top view)

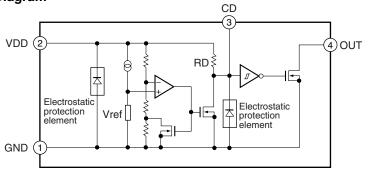
5



Pin Function

No.	Pin Name	Pin Function		
1	GND	Ground		
2	VDD	Power supply / Voltage detection		
3	CD	Capacitor connect pin for delay		
4	OUT	Reset signal output		

• Block Diagram



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8

В

С

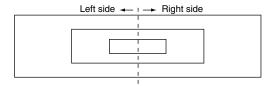
D

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PDP-506PE

■ PEG122C (HD DIGITAL ASSY : IC3401)
• LSI for PDP video processing (SEQUENCE PROCESSOR)

◆ Pin Arrangement (Top view)



TXOUTP023 TXCLKOUTP02 TXOUTP022

TXOUTP021

TXOUTP020

ΑE

• Left side (Top view)

•	en side	(TOP VI	ew)										
	1	2	3	4	5	6	7	8	9	10	11	12	13
Α	BAI5	GAI1	GAI4	GAI9	RAI4	RAI9	BBI0	BBI6	GBI1	GBI5	RBI1	RBI7	TRNSEND1
В	BAI4	GAI0	GND33	GAI8	RAI3	RAI8	HDI	BBI5	GBI0	GDN33	RBI0	RBI6	TRNSEND0
С	BAI3	BAI9	VDD33	GAI7	RAI2	RAI7	VDI	BBI4	BBI9	VDD33	GBI9	RBI5	VDD33
D	BAI2	BAI8	GAI3	GAI6	RAI1	RAI6	DEI	BBI3	BBI8	GBI4	GBI8	RBI4	RBI9
Ε	BAI1	BAI7	GAI2	GAI5	RAI0	RAI5	DCLKI	BBI2	BBI7	GBI3	GBI7	RBI3	RBI8
F	BAI0	BAI6	PEAK	APLDT	THEATER	GND12	VDD12	BBI1	VDD12	GBI2	GBI6	RBI2	VDD12
G	XSCAN20	XSCAN19	XSCAN18	XSCAN17	XSCAN16	VDD12					•		
н	XSCAN15	XSCAN14	XSCAN13	XSCAN12	XSCAN11	VDDTC12							
J	XSCAN10	GND33	VDD33	XSCAN9	GNDTC12	VDD12							
Κ	XSCAN8	XSCAN7	XSCAN6	XSCAN5	XSCAN4	VDDTC12							
L	XSCAN3	XSCAN2	XSCAN1	XSCAN0	GND12	VDD12					GND12	GND12	GND12
М	XSUS10	XSUS9	XSUS8	XSUS7	GNDTC12	VDD12					GND12	GND12	GND12
N	XSUS6	GND33	VDD33	XSUS5	GND12	VDD12					GND12	GND12	GND12
Р	XSUS4	XSUS3	XSUS2	XSUS1	XSUS0	VDDTC12					GND12	GND12	GND12
R	ADRS0	ADRS1	ADRS2	ADRS3	GNDTC12	VDD12					GND12	GND12	GND12
Т	TEST_I0	GND33	VDD33	TEST_I1	TEST_I2	TEST_R					GND12	GND12	GND12
U	TXOUTM063	TXOUTP063	GNDLA	VDDLA	GNDLA	VDDL12							
٧	TXCLKOUTM06	TXCLKOUTP06	GNDLA	VDDLA	GNDLA	VDDLA							
W	TXOUTM062	TXOUTP062	GNDLA	VDDLA	GNDLA	VDDLA							
Υ	TXOUTM061	TXOUTP061	GNDLA	VDDLA	GNDLA	VDDL12							
AA	TXOUTM060	TXOUTP060	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA
AB	TXOUTM073	TXOUTP073	GNDLA	VDDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDBG	REFIN
AC	TXCLKOUTM07	TXCLKOUTP07	GNDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA
AD	TXOUTM072	TXOUTP072	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA
												1	1

TXOUTP031 TXOUTP030

TXOUTM033 TXCLKOUTM03 TXOUTM032 TXOUTM031 TXOUTM030 TXOUTM023 TXCLKOUTM02 TXOUTM022

• Right side (Top view)

TXOUTM070 TXOUTP070

TXOUTP071

GNDLA

TXOUTM071

	14	15	16	17	18	19	20	21	22	23	24	25	26
Α	CLKD	VSSPA	EXDI011	EXDI09	EXA4	EXA10	EXA2	EXA16	EXA20	CSCS_N1	CSCS_N2	CSIOSCK1	CSIORXD
В	CSRD_N	VCCPA	EXDI04	GND33	EXA3	EXA9	EXA1	EXA15	EXA19	CSCS_N0	GND33	TCRAM_MONITOR0	TCRAM_MONITOR
С	CLKS	CLK_MONI	EXDI012	VDD33	EXDI00	EXA8	CSWR_N	EXA14	EXA18	UARTRXD	VDD33	TCRAM_MONITOR2	CSIORQ
D	VSSPB	EXDI014	EXDI05	EXDI02	EXDI08	EXA7	EXA0	EXA13	EXA17	UARTTXD	CS10TXD	RESETX	SDIJTAG
Е	VCCPB	EXDI07	EXDI013	EXDI010	EXDI01	EXA6	EXA11	EXA12	CSEXWAIT_N	SDITRST_N	SDITCK	SDIDBI_N	SDITMS
F	LPFMONI	EXDI015	EXDI06	EXDI03	VDD12	EXA5	VDD12	GND12	SDITDO	SDITDI	GP1000	GPI001	GPI002
G								VDD12	GPI003	GPI004	GPI005	GPI006	GPI007
Н								VDDTC12	YSCAN20	YSCAN19	YSCAN18	YSCAN17	YSCAN16
J								VDD12	GNDTC12	YSCAN15	VDD33	GND33	YSCAN14
K								VDDTC12	YSCAN13	YSCAN12	YSCAN11	YSCAN10	YSCAN9
L	GND12	GND12	GND12]				VDD12	GND12	YSCAN8	YSCAN7	YSCAN6	YSCAN5
М	GND12	GND12	GND12	1				VDD12	GNDTC12	YSCAN4	YSCAN3	YSCAN2	YSCAN1
N	GND12	GND12	GND12	1				VDD12	GND12	YSCAN0	VDD33	GND33	VSUS10
Р	GND12	GND12	GND12	1				VDDTC12	YSUS9	YSUS8	YSUS7	YSUS6	VSUS5
R	GND12	GND12	GND12	1				VDD12	GNDTC12	YSUS4	YSUS3	YSUS2	VSUS1
Т	GND12	GND12	GND12	1				YSUS0	RSV1	RSV0	VDD33	GND33	AFE_PS_N
U		•						VDDL12	GNDLA	VDDLA	GNDLA	TXOUTP050	TXOUTM050
٧								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP051	TXOUTM051
W								VDDLA	GNDLA	VDDLA	GNDLA	TXOUTP052	TXOUTM052
Υ								VDDL12	GNDLA	VDDLA	GNDLA	TXCLKOUTP05	TXCLKOUTM
۱A	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDL12	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP053	TXOUTM053
۱В	VREF12	GNDBG	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	VDDLA	GNDLA	TXOUTP040	TXOUTM040
٩C	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	VDDLA	GNDLA	TXOUTP041	TXOUTM041
۱D	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	GNDLA	TXOUTP042	TXOUTM042
٩E	TXOUTP013	TXCLKOUTP01	TXOUTP012	TXOUTP011	TXOUTP010	TXOUTP003	TXCLKOUTP00	TXOUTP002	TXOUTP001	TXOUTP000	GNDLA	TXCLKOUTP04	TXCLKOUTMO
٩F	TXOUTM013	TXCLKOUTM01	TXOUTM012	TXOUTM011	TXOUTM010	TXOUTM003	TXCLKOUTM00	TXOUTM002	TXOUTM001	TXOUTM000	GNDLA	TXOUTP043	TXOUTM043

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TXOUTP033 TXCLKOUTP03 TXOUTP032

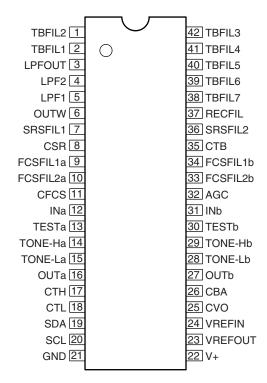
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■ NJW1183L (HD AUDIO ASSY : IC3753)

• FOCUS & SRS IC

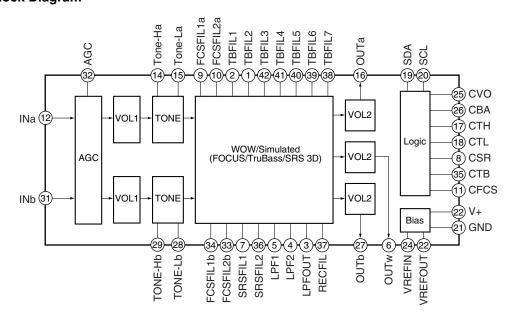
5

Pin Arrangement (Top view)



Block Diagram

5



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PDP-506PE

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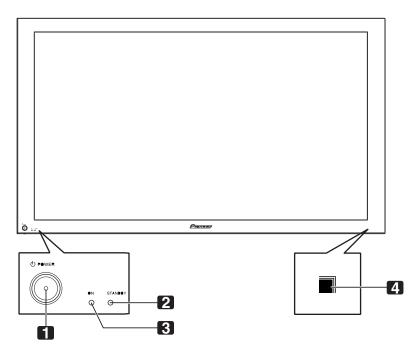
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8. PANEL FACILITIES

Front view



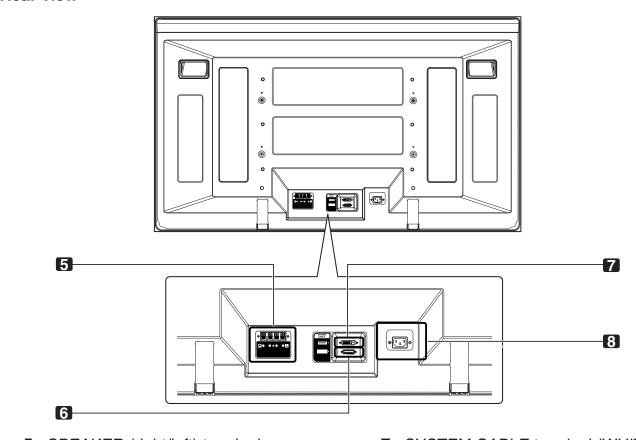
3

- 1 POWER button
- 2 STANDBY indicator

- 3 POWER ON indicator
- 4 Remote control sensor

Rear view

С



- 5 SPEAKER (right/left) terminals
- 6 SYSTEM CABLE terminal (BLACK)
- **7** SYSTEM CABLE terminal (WHITE)
- 8 AC IN terminal

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5 В С D Ε 95 PDP-506PE 5 8

■ Jigs list

В

С

1	Jig No.	Jig Name	Remarks				
	GGF1475	Special Communication Device	See to "6.2 RS-232C COMMAND".				

3

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PDP-506PE

Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3275

MEDIA RECEIVER

PDP-R06XE PDP-R06FE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-R06XE	WYVIXK5	AC220-240V	
PDP-R06FE	WYVI5	AC220-240V	
PDP-R06FE	WYVIXK5	AC220-240V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-R06XE, PDP-R06FE	ARP3276	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely you, should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

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Ε

This product contains and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety CodeSection 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to evironmental considerations. For disposal or recycling information, please contact your local authoritier of the Electronice Industries Alliance: www.eiae.org.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible — (fusible de type rapide) et/ou — (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

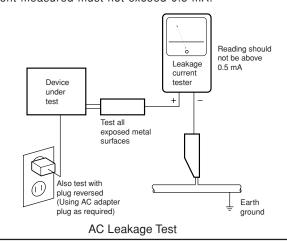
(FOR USA MODEL ONLY) -

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1 Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

● PDP-R06XE model

Item			Media Receiver, Model: PDP-R06XE		
Colour System	1	Analogue	PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60		
		Digital	PAL/SECAM PAL/SECAM		
TV Function	Receiving System		B/G, D/K, I, L/L'		
(Analogue)	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch		
		CATV	Hyper-band, S1-S41ch		
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort		
	STEREO		NICAM/A2		
TV Function	Receiving System		DVB-T (2K/8K COFDM)		
(Digital)	Tuner	VHF/UHF	VHF Band III (170 to 230 MHz) and UHF Band IV, V (470 to 862 MHz)		
	Auto Channel Preset		999 ch, Auto Preset, Auto Label, Auto Sort		
	STEREO		MPEG layer I/II, Dolby Digital		
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)		
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video		
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2		
		INPUT4	HDMI in *2		
		Antenna	75 Ω Din Type for VHF/UHF in (Analogue)		
			75 Ω Din Type for VHF/UHF in (Digital)		
			75 Ω Din Type for VHF/UHF out (Digital)		
	Front	INPUT5	S-VIDEO, AV in (Audio input is shared with PC INPUT.)		
		PC	Analog RGB in		
		PC CARD	PCMCIA Type II		
AUDIO OUTPI	UT Terminal	(Rear)	AUDIO out (Fixed)		
SUB WOOFER	R OUTPUT Terminal	(Rear)	Variable		
PHONES OUT	TPUT Terminal	(Front)	16–32 Ω recommended		
DIGITAL OUT Terminal			Digital audio output (Optical)		
COMMON INTERFACE (Rear)		(Rear)	CA Module		
Power Requirement			220-240 V AC , 50/60 Hz, 25 W (0.7 W Standby: Aerial Power Off)		
Dimensions			420 (W) x 90 (H) x 299 (D) mm		
Weight			4.3 kg		

^{*1:} Switchable

• Design and specifications are subject to change without notice.

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^{*2:} This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable.

HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

● PDP-R06FE model

Item			Media Receiver, Model: PDP-R06FE	
Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	Receiving System		B/G, D/K, I, L/L'	
	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch	
		CATV	Hyper-band, S1–S41ch	
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort	
	STEREO		NICAM/A2	
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)	
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video	
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2	
		Antenna	75 Ω Din Type for VHF/UHF in	
	Front	INPUT4	S-VIDEO, AV in	
AUDIO OUTF	PUT Terminal	(Rear)	AUDIO out (FIX)	
Power Requirement			220–240 V AC , 50/60 Hz, 16 W (0.4 W Standby)	
Dimensions			420 (W) x 90 (H) x 299 (D) mm	
Weight			3.5 kg	

*1: Switchable

*2: This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable. HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

Design and specifications are subject to change without notice.

Trademarks

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- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC
- The names of companies or institutions are trademarks or registered trademarks of the respective companies or institutions.

Dry Cell Battery (R6P, AA)

(For UK and Eire)

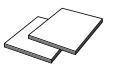
Only the power cord that is appropriate in your country or region is supplied.

Power cord (2 m)



System cable (3 m) (ADF1027)

Remote control unit (PDP-R06XE : AXD1509) (PDP-R06FE : AXD1491)



Two operating instructions

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PDP-R06XE

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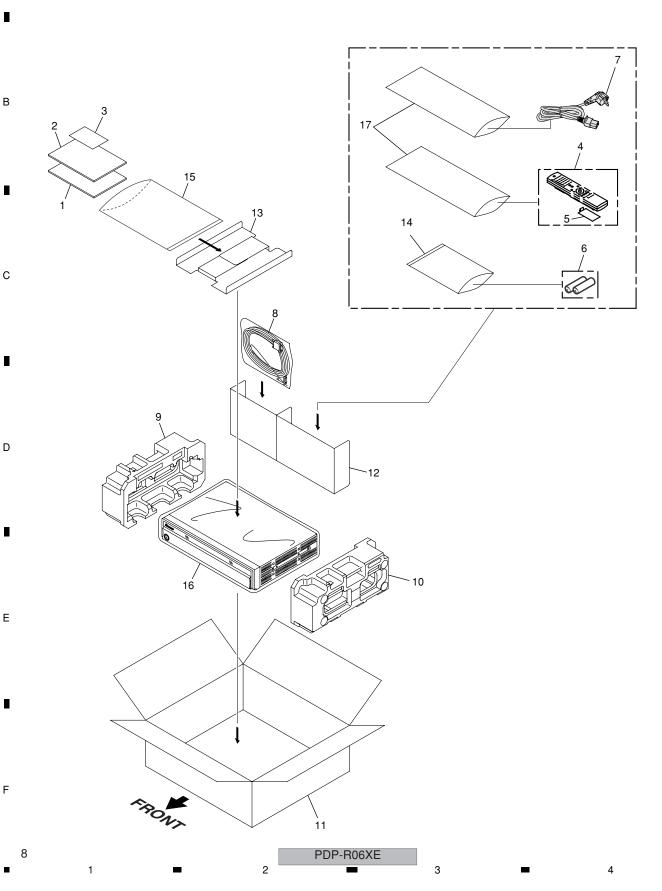
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

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(1) PACKING SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.
1	Operating Instructions	See Contrast table (2)
	(Italian, Dutch, Spanish)	
2	Operating Instructions	See Contrast table (2)
	(English, French, German)	
3	Caution Card (10L)	ARM1276
4	Remote Control Unit	See Contrast table (2)
5	Battery Cover	See Contrast table (2)
NSP 6	Dry Cell Battery (R6P, AA)	See Contrast table (2)
<u>↑</u> 7	Power Cord	ADG1214
8	System Cable (3m)	ADF1027
9	Pad L	See Contrast table (2)
10	Pad R	See Contrast table (2)
11	Carton	See Contrast table (2)
12	Accessory Carton	See Contrast table (2)
13	Manual Case	See Contrast table (2)
14	Polyethylene Bag	AHG1337
NSP 15	Catalogue Bag	AHG1340
16	Laminate Sheet	AHG1350
17	Air Cap Bag	AHG1351

(2) CONTRAST TABLE

PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

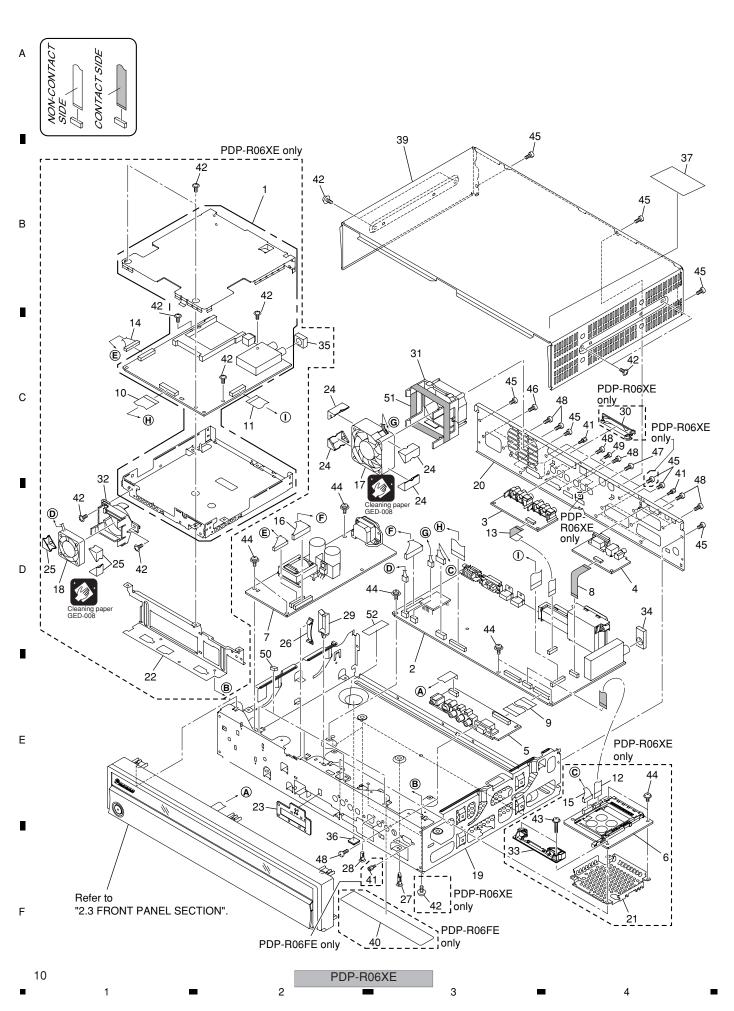
Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	Operating Instructions (Italian, Dutch, Spanish)	ARC1548	ARC1543	ARC1544
	2	Operating Instructions (English, French, German)	ARE1400	ARE1395	ARE1396
	4	Remote Control Unit	AXD1509	AXD1491	AXD1491
	5	Battery Cover	AZN7919	AZN7424	AZN7424
NSP	6	Dry Cell Battery (R6P, AA)	VEM1017	VEM1031	VEM1017
	9	Pad L	AHA2445	AHA2443	AHA2445
	10	Pad R	AHA2446	AHA2444	AHA2446
	11	Carton EA	AHD3354	Not used	Not used
	11	Carton E1	Not used	AHD3353	Not used
	11	Carton E2	Not used	Not used	AHD3356
	12	Accessory Carton E	AHD3359	Not used	AHD3359
	12	Accessory Carton J	Not used	AHD3422	Not used
	13	Manual Case	AHD3424	AHD3427	AHD3424

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2.2 EXTERIOR SECTION



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(1) EXTERIO	R SECTION	PARTS I	IST

Mark	No.	<u>Description</u>	Part No.	Mark 1	No.	<u>Description</u>	Part No.	
	1	R06 D-TUNER Assy	See Contrast table (2)		27	Circuit Board Spacer	AEC1969	
<u> </u>	2	MR MAIN Assy	See Contrast table (2)		28	Circuit Board Spacer	AEC2028	Α
	3	REAR IO Assy	See Contrast table (2)		29	Re-used Wire Saddle	AEC2038	^
	4	SR Assy	See Contrast table (2)		30	Rear Cover	See Contrast table (2)	
	5	FRONT Assy	See Contrast table (2)					
					31	Fan Holder 60	AMR3451	
	6	PC CARD Module	See Contrast table (2)		32	Fan Holder 40	See Contrast table (2)	
<u> </u>	7	POWER SUPPLY Unit	AXY1114		33	PC Guide	See Contrast table (2)	
	8	Flexible Cable (J208)	ADD1213		34	Gasket M	ANK1774	
	9	Flexible Cable (J201)	ADD1305	<u> </u>	35	Gasket N	See Contrast table (2)	
	10	Flexible Cable (J202)	See Contrast table (2)					
					36	Rubber Foot	VEB1349	
	11	Flexible Cable (J205)	See Contrast table (2)		37	Caution Label	See Contrast table (2)	В
	12	Flexible Cable (J206)	See Contrast table (2)		38	WEEE Label L	AAX3198	
	13	Flexible Cable (J209)	ADD1310		39	Metal Bonnet	See Contrast table (2)	
	14	12P Housing Wire (J102)	See Contrast table (2)		40	Bottom Cover	See Contrast table (2)	
	15	6P Housing Wire (J103)	See Contrast table (2)					
					41	HEX Head Screw	BBA1051	_
	16	16P Housing Wire (J101)	ADX3191		42	Screw	ABZ30P060FTC	
<u> </u>	17	Fan Motor (60 x 25L)	AXM1045		43	Screw	See Contrast table (2)	
<u> </u>	18	Fan Motor (42 x 10.5L)	See Contrast table (2)		44	Screw	BBB30P080FTC	
	19	Base Chassis	See Contrast table (2)		45	Screw	BBZ30P060FTB	
	20	Terminal Panel	See Contrast table (2)					
					46	Screw	BBZ30P100FTC	С
<u> </u>	21	PC Shield	See Contrast table (2)		47	Screw	BMZ30P060FTC	
	22	Frame B	See Contrast table (2)		48	Screw	BPZ30P080FTB	
<u> </u>	23	Shield Plate	See Contrast table (2)		49	Screw	PMZ26P060FTB	
	24	Floating Rubber 60	AEB1410		50	Front Panel Spacer	AEB1429	
	25	Floating Rubber 40	See Contrast table (2)					
					51	TERAOKA No.570F 16mm(W)	GYH1001	_
	26	Flat Clamp	AEC1858					

(2) CONTRAST TABLE
PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

Mark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	R06 D-TUNER Assy	AWE1304	Not used	Not used
\triangle	2	MR MAIN Assy	AWV2219	AWV2221	AWV2221
	3	REAR IO Assy	AWW1036	AWW1040	AWW1040
	4	SR Assy	AWW1037	AWW1041	AWW1041
	5	FRONT Assy	AWW1038	AWW1042	AWW1042
	6	PC CARD Module	AXY1073	Not used	Not used
	10	Flexible Cable (J202)	ADD1306	Not used	Not used
	11	Flexible Cable (J205)	ADD1307	Not used	Not used
	12	Flexible Cable (J206)	ADD1308	Not used	Not used
	14	12P Housing Wire (J102)	ADX3138	Not used	Not used
	15	6P Housing Wire (J103)	ADX3139	Not used	Not used
<u> </u>	18	Fan Motor (42 x 10.5L)	AXM1050	Not used	Not used
	19	Base Chassis J	ANA1891	Not used	Not used
	19	Base Chassis	Not used	ANA1868	ANA1868
	20	Terminal Panel EA	ANC2375	Not used	Not used
	20	Terminal Panel EB1	Not used	ANC2373	Not used
	20	Terminal Panel EB2	Not used	Not used	ANC2374
<u> </u>	21	PC Shield	ANG2578	Not used	Not used
	22	Frame B	ANG2792	Not used	Not used

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Mark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
<u> </u>	23	Shield Plate	ANG2838	Not used	Not used
	25	Floating Rubber 40	AEB1413	Not used	Not used
	30	Rear Cover	AMR3425	Not used	Not used
	32	Fan Holder 40	AMR3453	Not used	Not used
	33	PC Guide	AMR3468	Not used	Not used
<u> </u>	35	Gasket N	ANK1776	Not used	Not used
	37	Caution Label	AAX3196	Not used	Not used
	39	Metal Bonnet	ANE1653	Not used	Not used
	39	Metal Bonnet FE	Not used	ANE1652	ANE1652
	40	Bottom Cover	Not used	AAX3223	AAX3221
	42	Screw	ABZ30P060FTC	ABZ30P060FTB	ABZ30P060FTB
	43	Screw	ABZ30P180FTC	Not used	Not used
	52	Label	AAX3247	Not used	Not used

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• Pasting up location WEEE Label (No.38)

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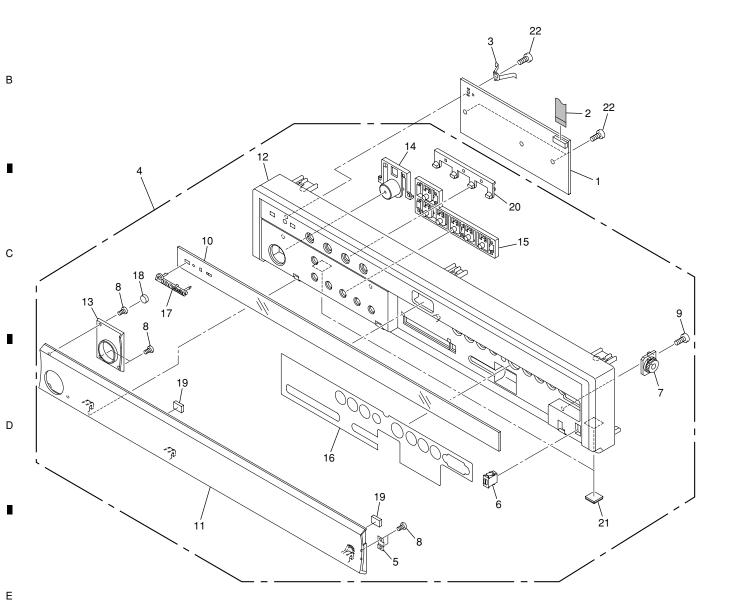
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PDP-R06XE

2.3 FRONT PANEL SECTION

NOW-CONTACT
SIDE
CONTACT SIDE



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PDP-R06XE

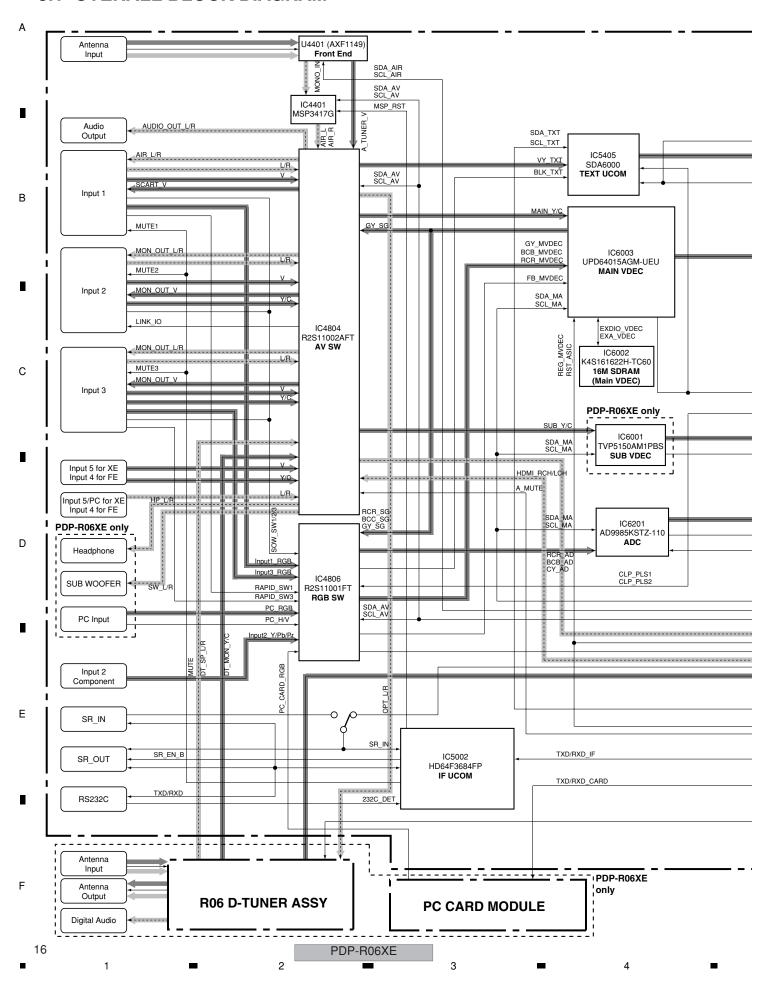
(1) FRONT PANEL SECTION PARTS LIST

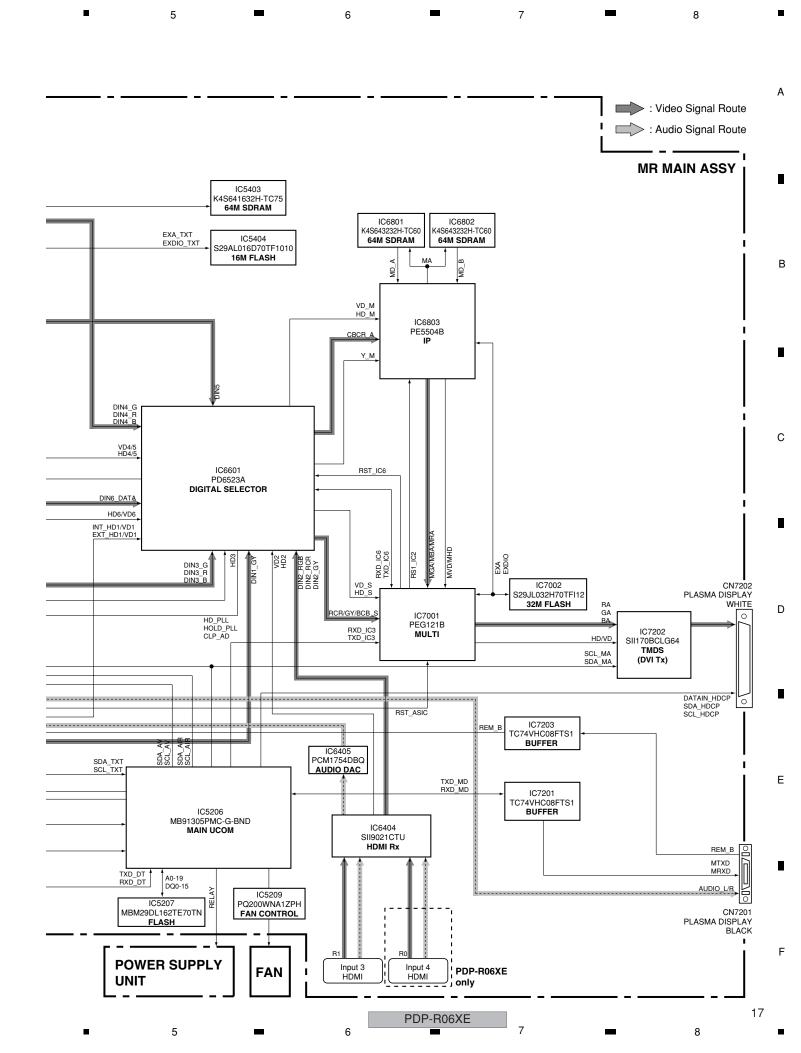
Mark No.	<u>Description</u>	Part No.	
1	LED Assy	See Contrast table (2)	
2	Flexible Cable (J207)	ADD1309	Α
<u> </u>	Earth Metal	BNG1336	^
4	Front Panel Assy	See Contrast table (2)	
5	Magnet Catcher	ANG2820	
6	Magnet Holder Assy	AEC1077	
7	Gear Damper	AXA1019	
8	Screw (2 x 3.5)	ABA1329	
9	Screw	BPZ30P080FTB	
10	Indicator Panel	See Contrast table (2)	
11	Door	See Contrast table (2)	В
12	Front Panel	See Contrast table (2)	
13	Escutcheon Ring	AAD4134	
NSP 14	Power Button	AAD4135	
NSP 15	Operation Button	AAD4136	
16	Sealing Sheet	See Contrast table (2)	
17	Pioneer Name Plate	AAM1107	
18	Door Cushion	AEB1412	
19	Door Cushion S	See Contrast table (2)	
NSP 20	LED Lens	AMR3452	_
21	Rubber Foot	VEB1349	С
22	Screw	BPZ30P080FTB	

(2) CONTRAST TABLE PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	LED Assy	AWW1039	AWW1043	AWW1043
	4	Front Panel Assy XE	AXG1030	Not used	Not used
	4	Front Panel Assy FE	Not used	AXG1029	AXG1029
	10	Indicator Panel (XE)	AAK2841	Not used	Not used
	10	Indicator Panel (FE)	Not used	AAK2840	AAK2840
	11	Door (XE)	AAN1479	Not used	Not used
	11	Door (FE)	Not used	AAN1478	AAN1478
	12	Front Panel (XE)	AMB2863	Not used	Not used
	12	Front Panel (FE)	Not used	AMB2862	AMB2862
	16	Sealing Sheet (XE)	AAL2665	Not used	Not used
	16	Sealing Sheet (FE)	Not used	AAL2664	AAL2664
	19	Door Cushion S	AEB1425	Not used	Not used
	19	Door Cushion S (UE)	Not used	AEB1426	AEB1426

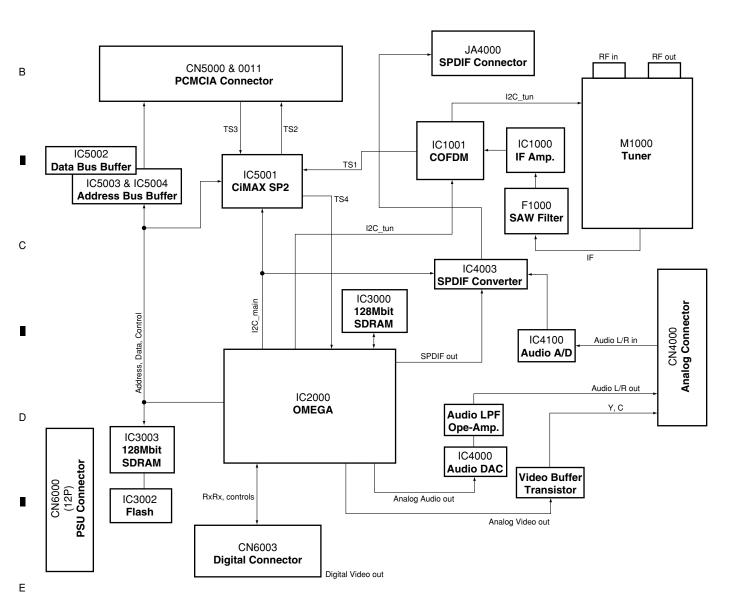
3.1 OVERALL BLOCK DIAGRAM





R06 D-TUNER ASSY

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POWER SUPPLY UNIT

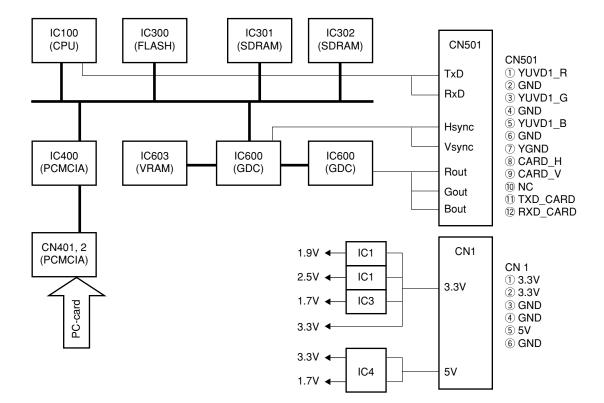
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PC CARD MODULE



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PDP-R06XE

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FRO	NT ASSY		MR MAIN A	ASSY
CN	7804 (AKM1236)	Voltage	CN4001 (AKM12	36)
No.	Name	(V)	Name	No.
50	V+9V_A	9.0	V+9V_A	1
49	V+5V_A	5.0	V+5V_A	2
48	V+3_3V_UCOM2	3.4	V+3_3V_UCOM2	3
47	WE_RDM	0	WE_RDM	4
46	GND	0	GND	5
45	INPUT5_R	4.5	INPUT5_R	6
44	GND	0	GND	7
43	INPUT5 L	4.5	INPUT5 L	8
42	GND	0	GND	9
41	INPUT5 V	2.5	INPUT5 V	10
40	GND	0	GND	11
39	INPUT5 S2	0	INPUT5 S2	12
38	INPUT5_SPLUG	5.0	INPUT5 SPLUG	13
37	GND	0	GND	14
36	INPUT5 C	2.2	INPUT5 C	15
35	GND	0	GND	16
34	INPUT5 Y	2.5	INPUT5 Y	17
33	GND	0	GND	18
32	GND	0	GND	19
31	HP L	2.1	HP L	20
30	GND	0	GND	21
29	GND	0	GND	22
28	HP R	2.1	HP R	23
27	GND	0	GND	24
26	GND	0	GND	25
25	NC	0	NC	26
24	HP PLUG	0	HP PLUG	27
23	GND	0	GND	28
22	GND	0	GND	29
21	PC R	2.5	PC R	30
20	GND	0	GND	31
19	PC B	2.5	PC B	32
18	GND	0	GND	33
17	PC G	2.5	PC G	34
16	GND	0	GND	35
15	PC_H	0	PC_H	36
14	GND	0	GND	37
13	PC V	0	PC V	38
12	GND	0	GND	39
11	GND	0	GND	40
10	GND	0	GND	41
9	GND	0	GND	42
8	KEY AD2	3.4	KEY AD2	43
7	KEY AD1	3.4	KEY AD1	44
6	LED REC	3.4	LED REC	45
5	V+5 1V STB	5.1	V+5 1V STB	46
4	GND	0	GND	46
3	LED OFF	3.4	LED OFF	47
				-
1	LED_ON	0	LED_ON	49
	V+3_3V_STB	3.4	V+3_3V_STB	50

SSY	MR MAIN ASSY		
7601 (CKS3826)	Voltage	CN4008 (AKM12	233)
Name	(V)	Name	No.
V+5_1_STB	5.1	V+5_1_STB	1
V+3_3_STB	3.4	V+3_3_STB	2
TXD	3.4	TXD	3
RXD	3.4	RXD	4
232C_DET	0	232C_DET	5
SR_EN_B	3.4	SR_EN_B	6
GND	0	GND	7
REM_B	3.4	REM_B	8
SR_IN	3.4	SR_IN	9
GND	0	GND	10
NC	-	NC	11
GND	0	GND	12
	7601 (CKS3826) Name V+5_1_STB V+3_3_STB TXD RXD 232C_DET SR_EN_B GND REM_B SR_IN GND NC	7601 (CKS3826) Voltage (V) Name (V) V+5_1_STB 5.1 V+3_3_STB 3.4 TXD 3.4 RXD 3.4 232C_DET 0 SR_EN_B 3.4 GND 0 REM_B 3.4 SR_IN 3.4 GND 0 NC -	Total CKS3826 Voltage CN4008 (AKM12 Name V+5_1_STB 5.1 V+5_1_STB V+3_3_STB 3.4 V+3_3_STB TXD 3.4 TXD 3.4 RXD RXD 232C_DET 0 232C_DET SR_EN_B 3.4 SR_EN_B GND 0 GND REM_B 3.4 REM_B SR_IN GND 0 GND CNC CNC

REA	R IO ASSY		MR MAIN A	SSY
CN	7402 (CKS3826)	Voltage	CN4008 (AKM12	33)
No.	Name	(V)	Name	No.
12	INPUT2_Y	2.5	INPUT2_Y	1
11	INPUT2_PULG	0	INPUT2_PULG	2
10	V+5V_A	5.0	V+5V_A	3
9	INPUT2_PB	2.5	INPUT2_PB	4
8	GND	0	GND	5
7	INPUT2_PR	2.5	INPUT2_PR	6
6	GND	0	GND	7
5	AUDIO_OUT_L	0	AUDIO_OUT_L	8
4	GND	0	GND	9
3	AUDIO_OUT_R	0	AUDIO_OUT_R	10
2	GND	0	GND	11
1	SW_OUT	0	SW_OUT	12

MR MAIN ASSY POWER S			POWER SUPPLY	UNIT
CN4	006 (KM200NA16)	Voltage	CN101 (B16B-PH-	·K-S)
No.	Name	(V)	Name	No.
16	V+35V	35.8	V+35V	16
15	GND	0	GND	15
14	V+17V	0	V+17V	14
13	GND	0	GND	13
12	V+12V	12.2	V+12V	12
11	GND	0	GND	11
10	V+6_8V	6.6	V+6_8V	10
9	GND	0	GND	9
8	V+5_1V	5.1	V+5_1V	8
7	V+5_1V	5.1	V+5_1V	7
6	V+5_1V_STB	5.1	V+5_1V_STB	6
5	GND	0	GND	5
4	V+3_3V_STB	3.4	V+3_3V_STB	4
3	GND	0	GND	3
2	RELAY	3.4	RELAY	2
1	AC_DET	3.4	AC_DET	1

R06 D-TUNER ASSY			MR MAIN ASSY		
_	6003 (AKM1236)	Voltage	CN4004 (AKM12		
No.	Name	(V)	Name	No.	
50	GND	0	GND	50	
49	HD_DT	3.3	HD_DT	49	
48	GND	0	GND	48	
47	VD_DT	3.3	VD_DT	47	
46	GND	0	GND	46	
45	DE_DT	0	DE_DT	45	
44	GND	0	GND	44	
43	GND	0	GND	43	
42	GND	0	GND	42	
41	GND	0	GND	41	
40	GND	0	GND	40	
39	GND	0	GND	39	
38	GND	0	GND	38	
37	GND	0	GND	37	
36	GND	0	GND	36	
35	GND	0	GND	35	
34	GND	0	GND	34	
33	GND	0	GND	33	
32	GND	0	GND	32	
31	GND	0	GND	31	
30	GND	0	GND	30	
29	GND	0	GND	29	
28	GND	0	GND	28	
27	GND	0	GND	27	
26	GND	0	GND	26	
25	GND	0	GND	25	
24	GND	0	GND	24	
23	GND	0	GND	23	
22	NC	-	NC	22	
21	NC	-	NC	21	
20	GND	0	GND	20	
19	Y0_DT	0 to 3.3	Y0_DT	19	
18	Y1_DT	0 to 3.3	Y1_DT	18	
17	GND	0	GND	17	
16	Y2_DT	0 to 3.3	Y2_DT	16	
15	Y3_DT	0 to 3.3	Y3_DT	15	
14	GND	0	GND	14	
13	Y4_DT	0 to 3.3	Y4_DT	13	
12	Y5_DT	0 to 3.3	Y5_DT	12	
11	GND	0	GND	11	
10	Y6_DT	0 to 3.3	Y6_DT	10	
9	Y7_DT	0 to 3.3	Y7_DT	9	
8	GND	0	GND	8	
7	CLK_DT	0 to 3.3	CLK_DT	7	
6	GND	0	GND	6	
5	DT_FNC	3.3	DT_FNC	5	
4	GND	0	GND	4	
3	RXD_DT	3.3	RXD_DT	3	
2	TXD_DT	3.3	TXD_DT	2	
1	GND	0	GND	1	

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CN	6000 (AKM1298)	Voltage	CN102 (B12B-PH	-K-S)
No.	Name	(V)	Name	No.
1	V+35V	35.8	V+35V	1
2	GND	0	GND	2
3	V+17V	0	V+17V	3
4	GND	0	GND	4
5	V+12V	12.2	V+12V	5
6	GND	0	GND	6
7	V+6.8V	6.6	V+6.8V	7
8	V+5.1V_STB	5.1	V+5.1V_STB	8
9	V+5.1V	5.1	V+5.1V	9
10	V+5.1V	5.1	V+5.1V	10
11	GND	0	GND	11
12	V+3.3V STB	3.4	V+3.3V STB	12

FAN MR MAIN AS				ISSY
		Voltage	CN4007 (AKM12	74)
No.	Name	(V)	Name	No.
_	-	6.5	FAN_VCC	1
_	-	0	FAN_NG2	2
_	-	0	GND	3

FAN MR MAIN ASSY				
		Voltage	CN4009 (AKM1	274)
No.	Name	(V)	Name	No.
-	-	6.5	FAN_VCC	1
-	-	0	FAN_NG1	2
-	-	0	GND	3

FRO	NT ASSY	LED A	ASSY	
CN7803 (AKM1233)		Voltage	CN8001 (CKS38	28)
No.	Name	(V)	Name	No.
1	GND	0	GND	12
2	GND	0	GND	11
3	GND	0	GND	10
4	GND	0	GND	9
5	KEY_AD2	3.4	KEY_AD2	8
6	KEY_AD1	3.4	KEY_AD1	7
7	LED_REC	3.4	LED_REC	6
8	V+5_1V_STB	5.1	V+5_1V_STB	5
9	GND	0	GND	4
10	LED_R	3.4	LED_R	3
11	LED_G	0	LED_G	2
12	V+3_3V_STB	3.4	V+3_3V_STB	1

CN4005 (AKM1303) Voltage C			CN4000 (AKM12	217)
No.	Name	(V)	Name	No
40	GND	0	GND	40
39	DT_DET	0	DT_DET	39
38	RST_DT	3.3	RST_DT	38
37	NOT USE	0	NOT USE	37
36	ANT_POW_EU	0	ANT_POW_EU	36
35	GND	0	GND	35
34	GND	0	GND	34
33	NOT_USE	0	NOT_USE	33
32	GND	0	GND	32
31	GND	0	GND	31
30	NOT_USE	0	NOT_USE	30
29	GND	0	GND	29
28	GND	0	GND	28
27	NOT_USE	0	NOT_USE	27
26	GND	0	GND	26
25	GND	0	GND	25
24	GND	0	GND	24
23	GND	0	GND	23
22	GND	0	GND	22
21	GND	0	GND	21
20	GND	0	GND	20
19	GND	0	GND	19
18	DT_MON_Y	1.8	DT_MON_Y	18
17	GND	0	GND	17
16	GND	0	GND	16
15	DT_MON_C	1.8	DT_MON_C	15
14	GND	0	GND	14
13	OPT_L	0	OPT_L	13
12	GND	0	GND	12
11	OPT_R	0	OPT_R	11
10	GND	0	GND	10
9	DT_SP_L	0	DT_SP_L	9
8	GND	0	GND	8
7	DT_SP_R	0	DT_SP_R	7
6	GND	0	GND	6
5	GND	0	GND	5
4	GND	0	GND	4
3	GND	0	GND	3
2	GND	0	GND	2
1	GND	0	GND	1

MR N	IAIN ASSY		PC CARD MO	DULE
CN4	4003 (AKM1233)	Voltage	CN501 (HFW12S-25	STE1)
No.	Name	(V)	Name	No.
1	RXD_CARD	3.3	RXD_CARD	12
2	TXD_CARD	3.3	TXD_CARD	11
3	NC	0	NC	10
4	PC_CARD_V	3.3	PC_CARD_V	9
5	PC_CARD_H	3.3	PC_CARD_H	8
6	GND	0	GND	7
7	GND	0	GND	6
8	PC_CARD_B	0	PC_CARD_B	5
9	GND	0	GND	4
10	PC_CARD_G	0	PC_CARD_G	3
11	GND	0	GND	2
12	PC_CARD_R	0	PC_CARD_R	1

MR MAIN ASSY			PC CARD MOD	DULE
CN-	4002 (AKM1277)	Voltage	CN1 (BBB-PH-S	M3)
No.	Name	(V)	Name	No.
6	GND	0	GND	6
5	V+5V_CARD	5.0	V+5V_CARD	5
4	GND	0	GND	4
3	GND	0	GND	3
2	V+3_3V_CARD	3.3	V+3_3V_CARD	2
1	V+3_3V_CARD	3.3	V+3_3V_CARD	1

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Refer to service manual (ARP3276).

Note: The encircled numbers denote measuring point in the schematic diagram.

MR MAIN ASSY

Α

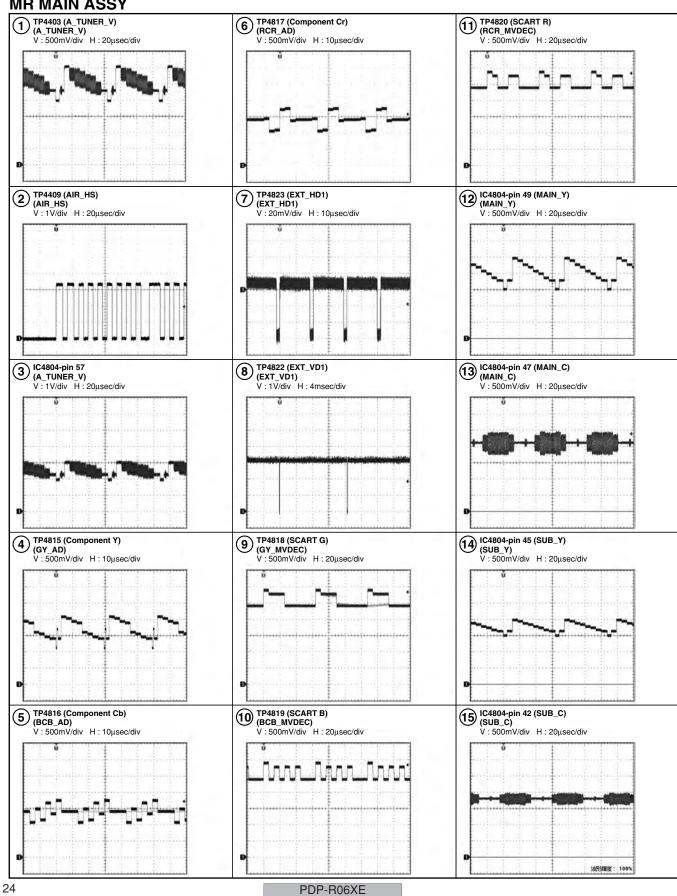
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NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- ullet The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples. Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

 $560 \,\Omega$ \rightarrow $56 \times 10^{1} \rightarrow$ $561 \dots RD1/4PU \boxed{561}J$ $\rightarrow 1R0 \qquad \qquad RSIP \square RO K$

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

■ LIST OF HOLE PCB ASSEMBLIES

Mark	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1R06 D-TUNER ASSY	AWE1304	Not used	Not used
1	1MR MAIN ASSY	AWV2219	AWV2221	AWV2221
NSP.	1MR FUKUGO ASSY	AWV2220	AWV2222	AWV2222
	2REAR IO ASSY	AWW1036	AWW1040	AWW1040
	2SR ASSY	AWW1037	AWW1041	AWW1041
	2FRONT ASSY	AWW1038	AWW1042	AWW1042
	2LED ASSY	AWW1039	AWW1043	AWW1043
\triangle	1POWER SUPPLY UNIT	AXY1114	AXY1114	AXY1114

■ FOR PDP-R06XE

Mark No. Description	Part No.	Mark No. Description	Part No.	
R06 D-TUNER ASSY		C1004,C1055	CEHVKW101M6R3	
[TUNER BLOCK]		C1010	CEHVKW2R2M50	
		C1102	CEHVKW331M6R3	
SEMICONDUCTORS		C1018,C1027,C1029,C1050	CEHVKW470M16	
IC1001	STV0361L	C1056,C1057	CEHVKW470M16	
IC1000	UPC3221GV			D
Q1001	2SC2412K	C1015	CKSRYB102K50	
Q1002	DTC124EUA	C1013,C1021,C1040,C1041,C1045	CKSRYB103K50	
Q1003,Q1004	RK7002	C1001-C1003,C1017,C1022	CKSRYB104K16	
		C1025,C1026,C1030-C1035,C1037	CKSRYB104K16	
D1001	1SS355	C1039,C1049,C1053,C1058-C1062	CKSRYB104K16	
⚠ D1000	SM15T6V8A			
		C1036	CKSRYB105K10	_
COILS AND FILTERS				
L1002	LCYAR82J2520	<u>RESISTORS</u>		
F1001,F1003-F1010 FERRITE BEAD		All Resistors	RS1/16S###J	
F1012-F1014 FERRITE BEAD	VTF1091			
F1100,F1101 FERRITE BEAD	VTF1091	<u>OTHERS</u>		_
F1202-F1204 FERRITE BEAD	VTF1091		XEK1003	Е
		X1100 CRYSTAL (27MHz)	XSS1010	
F1000 SAW FILTER	XTF1002			
L1200 CHIP FERRITE BEAD	XTX1001			
L1004 CHIP FERRITE BEAD	XTX1003	[DEMUX BLOCK]		
L1000 CHIP BALUN TRANS	XTX1005	SEMICONDUCTORS		
		IC2001	SN74LVU04APW	
<u>CAPACITORS</u>		IC2000	STI5517DWAL	
C1054	BCG1050	IC2002	TC74VHC08FTS1	
C1028,C1038,C1042,C1046,C1051	CCG1205	Q2000	2SC4081	
C1043,C1044	CCSRCJ3R0C50	D2000	DA204U	
C1020	CEHVKW100M16			
C1019	CEHVKW100M50	D2002	HVU307	F
		D2005.D2009	RB501V-40	'
		D2001	UDZS8R2(B)	
		VA2002	AVR-M1608C120MT2AB	

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Mark No	D			
IVIAIR IVO	. Description	Part No.	Mark No. Description	Part No.
COILS	AND FILTERS		CAPACITORS	
•	F2003 FERRITE BEAD	VTF1091	C4000,C4002	CCG1205
	CHIP FERRITE BEAD	XTX1003	C4010,C4011,C4042	CCSRCH101J
L2000	CHIP FERRITE BEAD	X1X1003		
			C4008,C4009	CCSRCH121J
CAPAC	<u>ITORS</u>		C4007,C4013	CCSRCH220J
C2014.	C2016	CCSRCH100D50	C4019,C4102-C4104,C4108-C4113	CEHVKW100M
,	C2026,C2030	CCSRCH101J50		
C2009	02020,02000	CCSRCH330J50	C4004	CEHVKW2R2N
C2011,	C2012	CCSRCH390J50	C4012.C4022.C4023.C4029.C4039	CEHVKW470N
	02012		C4006	CKSRYB102K
C2007		CCSRCH471J50	C4001,C4014,C4032,C4033,C4038	CKSRYB103K
			C4040.C4041	CKSRYB105K
	·C2034,C2036	CEHVKW470M16	C4040,C4041	CNSHIBIUSK
	C2017,C2020,C2021	CKSRYB102K50	0.4000 0.4000 0.4000 0.4000	01/05/15/15
C2013		CKSRYB105K10	C4003,C4005,C4017,C4018,C4021	CKSRYF104Z1
C2001		CKSRYB471K50	C4024,C4043,C4105-C4107	CKSRYF104Z1
C2002,	C2003,C2005,C2006	CKSRYF104Z16		
			RESISTORS	
C2018	C2019,C2022-C2025,C2028	CKSRYF104Z16	R4042,R4045,R4046	RS1/16S2000F
	C2037-C2041,C2043-C2045	CKSRYF104Z16	Other Resistors	RS1/16S###J
C2047,		CKSRYF104Z16	Other resistors	1101/100###0
,	02040		OTHERO	
C2015		CKSRYF105Z10	<u>OTHERS</u>	
C2027,	C2029,C2042,C2046	CKSRYF223Z50	CN4000 40P CONNECTOR	AKM1217
			JA4000 OPTICAL OUT MODULE	GP1FM513TZ
C2004		CKSRYF474Z16	X4000 CRYSTAL (12.288MHz)	XSS1006
			, ,	
RESIST	ORS			
	R2018,R2042	RAB4C103J	[COMMON-INTERFACE BLOCK	71
R2070,		RAB4CQ220J		7]
,	Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>	
Other	162121012	N31/103###J	IC5001	CIMAXSP2L
			IC5000	ST890CDR
OTHER	<u>S</u>		IC5002	TC74LCX245F
X2001	CRYSTAL	ASS1172	IC5003,IC5004	TC74LCX373F
X2000	CRYSTAL (27MHz)	BSS1112	Q5000	2SC4081
			05004	DTA143EUA
[MEMO	RY BLOCK]		Q5001 Q5002	
-	RY BLOCK]		Q5001 Q5002	DTC124EUA
SEMICO	<u>ONDUCTORS</u>	V48201622E 1107E	Q5002	
SEMICO	_	K4S281632F-UC75	Q5002 CAPACITORS	DTC124EUA
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M
SEMICO IC3000	<u>ONDUCTORS</u>	K4S281632F-UC75	Q5002 CAPACITORS C5005,C5100 C5001	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75 XTX1001	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS A	ONDUCTORS I,IC3003 AND FILTERS	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001	
SEMICO IC3000 COILS A	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD		Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS / L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS	DTC124EUA CEHVKW470N CKSRYB105K1 CKSRYF104Z1
SEMICO IC3000 COILS A L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001 XTX1003	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS	XTX1001 XTX1003 CEHVKW470M16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C30000 COILS 7	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS	CEHVKW470M CKSRYB105K* CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
EMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK]	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K: CKSRYF104Z1 RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209
SEMICO IC3000 COILS, L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS Q4002 AND FILTERS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW 2SC4081	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008 D6003,D6100-D6102	DTC124EUA CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209 1SS355
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209

PDP-R06XE

5 lark No.	Description	6 <u>Part No.</u>	Mark No.	7 Description	8 Part No.	
	•	<u>rait No.</u>	OTHERS	Description	<u>raitino.</u>	
COILS AND FIL	<u>.IERS</u>	L CVA DOO 10500		0P CONNECTOR	AI/N41004	
L6000 F6000 CHIP FEI		LCYAR82J2520 VTF1091			AKM1201	
				N4008,CN4010	AKM1233	
L6001,L6100,L61		XTH1001		2P FFC CONNECTOR	AI/A4 000	
CHIP INL	DUCTOR (33UH)			0P CONNECTOR	AKM1236	
			CN4007,CI		AKM1274	
CAPACITORS			ŀ	PH CONNECTOR 3P		
C6027		CCSRCH101J50	ON 4000 F	NI COMMECTOR OR	ALCA 44 077	
C6010		CCSRCH331J50		PH CONNECTOR 6P	AKM1277	
C6004		CEHVKW100M50	CN4005 4	0P CONNECTOR	AKM1303	
	036,C6042,C6044	CEHVKW101M6R3				
C6031		CEHVKW2R2M50	IDEO DI O	01/7		
			[REG BLO	_		
C6000,C6026,C6		CEHVKW331M6R3	SEMICON	<u>DUCTORS</u>		
	013-C6015,C6019	CEHVKW470M16	IC4210,IC4	212	BD6522F	
C6023,C6100		CEHVKW470M16	IC4208,IC4	211	MM1661JH	
C6022		CKSRYB105K10	IC4202		NCP1117ST15	
C6003,C6005,C6	006,C6012,C6018	CKSRYF104Z16	IC4209		NCP1117ST18	
			IC4201		PQ025ENA1ZPH	
	025,C6029,C6030	CKSRYF104Z16				
C6033,C6038,C6	102,C6200	CKSRYF104Z16	IC4204,IC4	205	PQ033ENA1ZPH	
C6002,C6035		CKSRYF223Z50	IC4206		PQ050DNA1ZPH	
C6008,C6016		CKSRYF474Z16	IC4203		PQ090DNA1ZPH	
			Q4201,Q42	203	DTC124EUA	
RESISTORS				206,D4208,D4209,D4211	1SS355	
R6031		RAB4C221J		-, -,		
R6012-R6014		RAB4C2R2J	COILS AN	D FILTERS		
R6204,R6205		RAB4CQ101J		2 INDUCTOR	BTH1111	
Other Resistors		RS1/16S###J		06 CHIP FERRITE BEAD		
				05,F4207 EMI FILTER	CCG1162	
THERS			<u>::</u> 11 4201-1 42	05,1 4207 LIVII I ILI LIT	0001102	
CN6003 50P CC	MINIECTOR	AKM1236	CADACITO	NDC		
			CAPACITO		1007010	
CN6000 PHP C	JINNECTOR 12P	AKM1298		06,C4209,C4215,C4218	ACG7046	
			(10/6.3V)			
DO 04 DD DI 0	01/7			33,C4235,C4240,C4250	ACG7046	
PC CARD BLO	-		(10/6.3V)			
SEMICONDUC'	<u>rors</u>			57,C4260,C4263	ACG7046	
IC3002		XYW1005	(10/6.3V)			
			0.4040./404	NIE (4.0) 0	40114004	
<u>OTHERS</u>			C4213 (100	,	ACH1394	
16-18 SCREW		ABZ30P060FTC	C4210,C42	44,C4269	ACH1429	
11 PCMCIA EJE	CTOR	ANG2673	C4273		CCSSCH101J50	
12-15 SCREW		PMZ20P100FNI	,	16,C4219,C4221,C4222	CEHVKW101M6R3	
9 TOP CAN		XNG1002	C4224,C42	28,C4238,C4264,C4267	CEHVKW101M6R3	
			C4226		CEHVKW220M16	
			C4214		CKSRYB104K16	
IR MAIN AS	CV.		C4203,C42	,	CKSRYB105K10	
	31		C4229,C42	- /	CKSSYB104K10	
<u> THERS</u>			C4232,C42	34	CKSSYB471K50	
FRONT END (EU)	AXF1149				
DD CON UNIT		AXY1117		04,C4207,C4212,C4227	CKSSYF104Z16	
				51,C4261,C4262,C4268	CKSSYF104Z16	
			C4211,C42	25,C4256	DCH1165	
BOARD IF BLC	CK]					
SEMICONDUC [*]	-		RESISTOR	<u>rs</u>		
Q4003,Q4004		2SA1586	All Resistor		RS1/16S###J	
Q4003,Q4004 Q4001		DTA124EUA				
Q4001 Q4002		TPC6104				
D4001-D4005		1SS355	[TUNER BI	LOCK1		
2 .001 D-000		.0000	SEMICON	_		
CAPACITORS			IC4401	20010110	MCD24170	
		CKCDVD10EK10			MSP3417G	
C4002		CKSRYB105K10	Q4404	100	2SA1586	
C4003,C4004		CKSSYB104K10	Q4401,Q44	102	2SC4116	
			Q4414	140.04445	DTA124EUA	
RESISTORS			Q4410,Q44	113,Q4415	DTC124EUA	
<u>ILOIOTOTIO</u>		RS1/10S0R0J				
R4021-R4023		RS2LMF8R2J				
R4021-R4023		RS1/16S###J				

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	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	Q4407,Q4408	•	HN1A01FU	COILS AND	FILTERS	
	Q4405		HN1B04FU	L4602,L4604,		LCTAW1R0J2520
	Q4409		HN1C01FU	L4611,L4612	L 1000,L 1000	LCTAW1R0J2520
Α	D4401		UDZS33(B)	L4601,L4603,	L4605.L4607	LCTAW560J2520
	D4403		UDZS8R2(B)	L4609,L4610	,	LCTAW560J2520
	COILS AND F	FILTERS		SWITCHES	AND RELAYS	
	L4401-L4403		BTH1119	S4601		ASH1029
	L4405,L4406		LCTAW150J2520	0.00.		7.0020
	L4407		LCTAW4R7J2520	CAPACITOR	S	
_	L4404		LCTAW8R2J2520	C4601,C4605	5,C4620 (10/6.3V)	ACG7046
	F4401,F4402	FERRITE BEAD	VTF1080		,C4636 (10/6.3V)	ACG7046
	0.4.0.4.0.17.0.0.0			C4662 (100U)	F/16V)	ACH1394
	CAPACITORS		100=010		,C4617,C4619,C4624	CCG1205
		C4415 (10/6.3V)	ACG7046	C4628,C4643	,C4649,C4661	CCG1205
В	C4416,C4429,C	C4459 (10/6.3V)	ACG7046 ACH1385	0	0.4000	05114747444
	C4449	30V)	CCSRCH680J50	C4602,C4623		CEHAT471M10
	C4442		CCSRCJ3R0C50	·	,C4609,C4612	CKSRYB105K10 CKSRYB105K10
	04442		00011000110000		3,C4626,C4629 3,C4641,C4642	CKSRYB105K10
	C4417,C4418		CCSSCH100D50		5,C4650,C4652-C4654	CKSRYB105K10
	C4431		CCSSCH101J50	04040,04040	,04000,04002 04004	ONOTTIBIOONTO
	C4450		CCSSCH121J50	C4644		CKSRYB224K10
_	C4456		CCSSCH181J50		,C4627,C4630	CKSSYB102K50
	C4448		CCSSCH470J50	C4647,C4648		CKSSYB102K50
)	CKSSYB102K50
	C4428,C4443		CCSSCH560J50	C4604,C4614	,C4622,C4637,C4651	CKSSYF104Z16
	C4441		CCSSCH5R0D50			
С	C4409,C4423 C4421		CEHVKW100M16	C4603,C4625	,C4638	DCH1165
	C4421 C4422		CEHVKW101M6R3 CEHVKW470M16			
	04422		OLITVIC V 47 OIVITO	RESISTORS		
	C4420		CKSRYB332K50	R4608,R4670	•	RS1/10S121J
	C4401,C4411,0	C4413	CKSRYF104Z50	· ·	,R4645,R4658,R4686	RS1/10S151J
	, ,	C4410,C4430,C4440	CKSSYB102K50	R4734,R4735	2,R4643,R4675,R4681	RS1/10S151J RS1/16S75R0F
	C4444,C4455,0	C4461	CKSSYB102K50	R4715-R4717		RS1/16S75R0F
	C4408,C4439,0	C4446	CKSSYB103K16	114713-114717	,114733	1131/103/31101
				Other Resisto	rs	RS1/16S###J
	C4438,C4454	04405 04400 04400	CKSSYB472K25			
		C4425,C4426,C4432 C4447,C4451,C4460	CKSSYF104Z16 CKSSYF104Z16	OTHERS		
	C4434,C4435,0	C4447,C4451,C4460	CKSSYF104Z16	JA4601 RGE	CONNECTOR (DUAL)	AKP1265
D	C4414,C4437,0	C4445	DCH1165	JA4602 RGE	CONNECTOR	AKP1266
	<u>RESISTORS</u>			[AV SW BLO	CK1	
	All Resistors		RS1/16S###J	SEMICONDU	_	
	OTHERO			IC4807	<u> </u>	BH3544F
	<u>OTHERS</u>			IC4805		NJM12904V
	X4401 CRYS	TAL (18.432MHz)	ASS1196	IC4806		R2S11001FT
				IC4804		R2S11002AFT
	[AV IO BLOCK	(1		IC4809		TC7WH123FU
	-	-				
	SEMICONDU		0044500	·	2,Q4804-Q4806,Q4809	2SA1586
Ε	Q4614,Q4615,		2SA1586	· ·),Q4822,Q4823	2SA1586
	Q4641,Q4642, Q4602-Q4605,		2SA1586 2SC4116	•	-Q4813,Q4817,Q4819	2SC4116
		Q4622-Q4624,Q4629	2SC4116	Q4821		2SC4116
	Q4632-Q4637,	· ·	2SC4116	Q4814		DTA124EUA
	,			Q4815		DTC124EUA
_	Q4611,Q4612,	Q4640	2SD2114K	Q4807		HN1B04FU
		Q4621,Q4627,Q4631	DTA124EUA	D4802,D4806	;	1SS301
	Q4610	0.4000	DTA143EUA	D4801		1SS355
	Q4613,Q4617,		DTC124EUA			
	Q4601,Q4609,	Q4625,Q4630,Q4638	HN1A01FU	CAPACITOR	<u>S</u>	
	Q4644		HN1C01FU	C4916 (4.7U/		ACG1122
_		D4611,D4612,D4615	1SS301		5,C4871 (10/6.3V)	ACG7046
F	D4602,D4607,I	D-1011,D-1012,D-1013	1SS301		i,C4923 (10/6.3V)	ACG7046
	D4606,D4626		1SS355	C4877,C4880	1	CCSRCH181J50
				C4859		CCSRCH331J50
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PDP-R06XE

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Mark No.	<u>Description</u>	Part No.	Mark No.	Description	Part No.	
C4861	•	CCSRCH680J50	D5203	•	1SS355	
C4885,C488	8	CCSRCH681J50	D5201		SML-311UT	
C4822,C486		CEHVKW101M6R3				
C4898	_	CEHVKW470M6R3	CAPACITOR	35		Α
C4802,C480	5,C4806,C4808	CKSRYB105K10	C5235	<u></u>	CCSRCH221J50	, ,
•	,		C5244,C524	5	CCSSCH120J50	
C4813,C481	4,C4820,C4833,C4834	CKSRYB105K10	•	8,C5237,C5239-C5243	CCSSCH470J50	
C4836,C483	8-C4841,C4847,C4848	CKSRYB105K10	C5246-C524	· ·	CCSSCH470J50	
C4850,C485	1,C4878,C4879,C4889	CKSRYB105K10	C5238		CEHVKW100M35	
C4894,C489	5,C4899-C4905,C4922	CKSRYB105K10	00200		02	_
C4837		CKSRYB474K10	C5201		CEHVKW101M6R3	
			C5261-C526	3	CKSSYB102K50	
C4853-C485	8,C4860,C4865	CKSSYB103K16	C5216,C523		CKSSYB103K16	
C4869,C487	0,C4890-C4893	CKSSYB103K16	C5215		CKSSYB472K25	
C4807,C480		CKSSYB104K10	C5253		CKSSYF103Z50	
	9,C4845,C4846,C4864	CKSSYF104Z16				
C4873,C488	1,C4884,C4886,C4887	CKSSYF104Z16	C5202-C521	4,C5219,C5222-C5232	CKSSYF104Z16	В
			C5234,C525	2	CKSSYF104Z16	
	1,C4924,C4925	CKSSYF104Z16	C5236		DCH1165	
C4844,C486	3,C4866,C4872,C4876	DCH1165				
C4882,C488	3	DCH1165	RESISTORS	3		
			R5262.R526		ACN1248	
RESISTORS	<u>S</u>		R5205,R521		RAB4CQ101J	_
R4975,R499		RD1/2LMF120J	R5283	•	RS1/16S1001F	
R4784,R478		RS1/16S1800F	R5282		RS1/16S4701F	
,	7,R4792,R4794,R4796	RS1/16S5600F	R5273		RS1/16S8201F	
R4791,R479		RS1/16S75R0F	110270		1101/10002011	
	0,R4944,R4985	RS1/16SS3301F	Other Resisto	ore	RS1/16S###J	
	-, - ,		Other resist	010	1101/100###0	
Other Resisto	ors	RS1/16S###J	OTHERS			С
				P CONNECTOR	AKM1201	
			K5201,K5202			
IF UCOM B	LOCK1		,		AKX9002	
SEMICOND	-		X5201 GEH	RAMIC RESONATOR	ASS1178	
IC5002	octons	LID64F2694FB				
		HD64F3684FP	ITEVT HOO	M DI OOKI		
IC5003		PST9230N	[TEXT UCO			-
IC5001		TC74VHC08FTS1	<u>SEMICOND</u>	<u>UCTORS</u>		
IC5004		TC7W126FU	IC5403		K4S641632H-TC75	
Q5005		DTA124EUA	IC5404		S29AL016D70TFI010	
05001		DTC104FIIA	IC5405		SDA6000	
Q5001		DTC124EUA	IC5407		TC74LCX125FT	
A DA OITO	20		IC5402		TC7SH04FUS1	D
CAPACITOR		0000011100150				
C5007,C500	8	CCSSCH180J50	IC5406		TC7W126FU	
C5001		CEHVKW101M6R3	Q5401,Q540	6	DTA124EUA	
C5010	F 05000 05040	CKSSYB472K25	Q5403,Q540	7	DTC124EUA	
C5002-C500	5,C5009,C5012	CKSSYF104Z16	D5404		1SS355	
	_		D5401		UDZS12(B)	
RESISTORS						_
	4,R5007,R5025,R5026	RAB4CQ103J	D5402		UDZS3R0(B)	
Other Resisto	ors	RS1/16S###J	D5403		UDZS3R9(B)	
<u>OTHERS</u>			COILS AND	FILTERS		
X5002 CER	RAMIC RESONATOR	ASS1168	⚠ F5402,F5403	B EMI FILTER	CCG1162	Е
X5001 CRY		ASS1172	,			E
			CAPACITOR	RS		
				8,C5453 (10/6.3V)	ACG7046	
MAIN UCO	M BLOCK1		C5422,C542	,	CCSSCH200J50	
SEMICOND			C5404	0	CKSSYB102K50	
IC5202	0010113	BR24L64F-W	C5403		CKSSYB103K16	
			C5445		CKSSYB104K10	
IC5206 IC5207		MB91305PMC-G-BND MBM29DL162TE70TN	00 170		5.1551B101IN10	
IC5207 IC5210		MBM29DL162TE70TN MM1522XU	C5405 C540	6,C5408,C5410,C5413	CKSSYF104Z16	
			,	8,C5420,C5425,C5427	CKSSYF104Z16	
IC5209		PQ200WNA1ZPH	•	1,C5434,C5435,C5440	CKSSYF104Z16	
IC5203		PST3628UR		6,C5449,C5451,C5454	CKSSYF104Z16	
	04		,	8,C5460,C5476	CKSSYF104Z16	F
IC5201,IC520 Q5202	04	TC74VHC125FTS1 2SJ461A	30-30,0043	5,55 155,55715	51.5511 10±210	Г
		2SJ461A DTC124EUA				
Q5204 Q5201						
Q5201		SM6K2				
			DD DOCYE			29
		P	DP-R06XE	_		

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Mark No. Description	Part No.	Mark No. Description	Part No.
RESISTORS		C6211,C6212,C6215-C6217	CKSSYF104Z16
	ACNI1051	C6222-C6224	CKSSYF104Z16
R5409	ACN1251	OULLE OULLY	5.10011104Z10
R5404,R5428,R5429,R5434,R5435	BCN1067	DECICTORS	
R5439,R5457,R5476	RAB4CQ103J	<u>RESISTORS</u>	
R5432,R5460	RAB4CQ680J	R6213,R6218,R6223	BCN1067
Other Resistors	RS1/16S###J	R6202	RS1/16SS2701F
		Other Resistors	RS1/16S###J
OTHERS			
X5401 CRYSTAL	ASS1193		
AOTO OTTO IAL	A001133	[HDMI BLOCK]	
D/DEO DI COLG		<u>SEMICONDUCTORS</u>	
[VDEC BLOCK]		IC6402,IC6403	BR24L02FJ-W
<u>SEMICONDUCTORS</u>		IC6405	PCM1754DBQ
IC6002	K4S161622H-TC60	IC6404	SII9021CTU
IC6001	TVP5150AM1PBS	Q6416,Q6417	2SA1586
IC6003	UPD64015AGM-UEU	Q6412,Q6414	DTA124EUA
Q6002	DTA124EUA		
Q0002	B II (12+EO/(Q6413,Q6415	DTC124EUA
COIL C AND FILTEDS		Q6402.Q6405	HN1K02FU
COILS AND FILTERS		Q6403,Q6404	RN1902
F6001,F6002 EMI FILTER	CCG1162	D6404,D6408	1SS301
	CCG1162	•	
		D6403,D6407	UDZS6R8(B)
CAPACITORS			
C6056,C6088 (10/6.3V)	ACG7046	COILS AND FILTERS	
			CCG1162
C6059,C6060	CCSSCH100D50		
C6078,C6083	CCSSCH8R0D50	CAPACITORS	
C6048-C6050	CKSRYB105K10		ACC7040
C6062,C6069,C6070,C6074,C6080	CKSSYB103K16	C6491 (10/6.3V)	ACG7046
		C6401,C6403,C6405,C6407,C6409	CCSSCH101J50
C6046,C6051,C6052,C6054,C6058	CKSSYB104K10	C6411,C6419,C6426,C6428,C6430	CCSSCH101J50
C6063,C6064,C6066,C6067	CKSSYB104K10	C6432,C6434,C6435,C6438,C6440	CCSSCH101J50
C6072,C6073,C6075-C6077	CKSSYB104K10	C6442,C6444,C6446,C6448,C6449	CCSSCH101J50
C6081,C6082,C6084,C6085	CKSSYB104K10		
C6001-C6008,C6012-C6028	CKSSYF104Z16	C6454,C6456,C6459,C6464,C6466	CCSSCH101J50
2300. 20000,00012 00020	31.0011 10-210	C6468,C6470,C6472,C6474,C6476	CCSSCH101J50
C6031-C6045,C6047,C6053,C6055	CKSSYF104Z16	C6478,C6480,C6482	CCSSCH101J50
		C6462,C6463	CCSSCH120J50
C6061,C6065,C6068,C6071,C6079	CKSSYF104Z16	C6425,C6484	CEHVKW220M6R3
C6090,C6091	CKSSYF104Z16	OU-120, OUTOT	OLITAINAATTOINIOLIO
		C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16
<u>RESISTORS</u>			CKSSYF104Z16 CKSSYF104Z16
R6010,R6062,R6068,R6072	ACN1246	C6412,C6414,C6416,C6418	
R6065,R6073	BCN1067	C6420-C6424,C6427,C6429,C6431	CKSSYF104Z16
R6007,R6023,R6030,R6071	RAB4CQ220J	C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16
R6063	RS1/16SS1001D	C6443,C6445,C6447,C6450-C6453	CKSSYF104Z16
R6038,R6039,R6049	RS1/16SS2000F		
. 10000,1 10000,1 10040	. 10 1/ 100020001	C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16
D6054	RS1/16SS2201D	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16
R6054		C6475,C6477,C6479,C6481,C6483	CKSSYF104Z16
R6052	RS1/16SS6200D	C6490	CKSSYF104Z16
Other Resistors	RS1/16S###J		
		RESISTORS	
<u>OTHERS</u>			AON4054
X6001 CRYSTAL	ASS1189	R6418,R6419,R6421	ACN1251
X6002 CRYSTAL	ASS1191	R6414	RAB4CQ100J
		R6465	RAB4CQ103J
		R6438	RAB4CQ470J
IADO BLOCKI		R6416	RAB4CQ680J
[ADC BLOCK]			
SEMICONDUCTORS		Other Resistors	RS1/16S###J
IC6201	AD9985KSTZ-110	2 2.2	
	-	OTHERS	
COILS AND FILTERS		•	ALCD4.070
	0001160	JA6401, JA6402 HDMI CONNECTOR	
♠ F6201,F6204 EMI FILTER	CCG1162	X6401 CRYSTAL	ASS1192
0.1.D.1.0.IT.0.T.0			
<u>CAPACITORS</u>			
C6205,C6209	CKSSYB104K10	[DSEL BLOCK]	
C6207,C6210,C6218	CKSSYB473K16	SEMICONDUCTORS	
C6202	CKSSYB822K16		DDCCCC A
C6201	CKSSYB823K10	IC6601	PD6523A
C6203,C6204,C6206,C6208	CKSSYF104Z16	IC6602	TC74LCX125FT
00203,00204,00200,00200	UNGG 11 104Z 10		
0	PDP-R0	DEVE	
J	PUP-RI	IDAE	

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Mark No. Description	Part No.	Mark No.		<u>Description</u>	Part No.	
COILS AND FILTERS		RESIST				
1 F6604 CHIP FERRITE BEAD	ATX1058			24,R7032,R7036	ACN1246	
	CCG1162	R7062-F			ACN1251	Δ
NADACITORS		R7015,F	R7023 R7018,R70	70	RAB4CQ101J	P
CAPACITORS C6632 (10/6 2)/)	ACG7046	H7016,F R7060	1/U10,H/U	70	RAB4CQ103J RAB4CQ680J	
C6632 (10/6.3V) C6604	ACG7046 CCSRCH221J50	117000			11/10-70-00000	
C6631	CKSSYB102K50	Other R	esistors		RS1/16S###J	
C6601-C6603,C6607-C6610	CKSSYF104Z16					
C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16					
		[MR IF B	_			_
C6625-C6627,C6629,C6630	CKSSYF104Z16	SEMICO	NDUCT	<u>ORS</u>		
RESISTORS		IC7202	107000		SII170BCLG64	
R6603-R6605	ACN1251	IC7201, Q7206	10/203		TC74VHC08FTS1 2SA1586	
R6611,R6614,R6618	BCN1071		Q7207,Q72	210	DTA124EUA	
R6613,R6620	RAB4CQ101J	Q7211			DTC124EUA	E
Other Resistors	RS1/16S###J	··			·	
		Q7209			HN1C01FU	
<u>OTHERS</u>		Q7201			RN1902	
X6601 CRYSTAL	ASS1194	D7202-I	D7206		1SS355	
		COLLE	/ VID Eii .	TEDO		I
D DI OCKI		<u>COILS A</u> ∴ F7204-F			ATF1209	
P BLOCK]			-	RITE BEAD	BTX1042	
EMICONDUCTORS	V40040000LT000	-	-	08 EMI FILTER	CCG1162	
IC6801,IC6802 IC6803	K4S643232H-TC60 PE5504B		,- ·	· · · · · · · · · · · · · · · · · · ·		
100000	F E3304D	CAPACI	TORS			
OILS AND FILTERS				08 (10/6.3V)	ACG7046	C
L6801-L6804 CHIP FERRITE BEAL	BTX1042	C7226,0			CCSSCH100D50	
				11,C7213,C7214	CCSSCH101J50	
CAPACITORS		C7216,0 C7223	C7217,C72	19,07221	CCSSCH101J50 CKSSYB102K50	
C6801 (10/6.3V)	ACG7046	0/223			ONOO 10 102NOU	
C6863	CKSSYB102K50	C7209.0	C7215,C72	20,C7225,C7228	CKSSYB471K50	_
C6802,C6804,C6807-C6809,C6813	CKSSYF104Z16			06,C7210,C7212	CKSSYF104Z16	
C6815-C6817,C6821,C6824-C6828 C6830,C6831,C6834,C6835	CKSSYF104Z16 CKSSYF104Z16	C7218,0	27224		CKSSYF104Z16	
00000,00001,00004,00000	01.0011 10 1 210	DE0:0-	000			
C6839-C6862	CKSSYF104Z16	RESIST	UKS		DAD400404 !	
		R7215 R7216			RAB4CQ101J RS1/16S5100F	
RESISTORS		Other R	esistors		RS1/16S5100F RS1/16S###J	
R6833,R6838	ACN1246	3000	20.01010			
R6841,R6844-R6847	ACN1251	OTHERS	<u>S</u>			
R6813,R6814,R6816,R6820,R6821 R6823,R6825,R6827,R6828	BCN1067 BCN1067		20P SO	CKET	AKP1226	
R6818	BCN1067 BCN1071	CN7202	24P DVI	SOCKET	AKP1250	
	20.1.071					_
R6832	RAB4CQ101J					
R6817	RAB4CQ470J	DEAD	IO 400	·V		
Other Resistors	RS1/16S###J	REAR				
		COILS A		I EKS	LOTALISON INTER	
MULTI BLOCK]		L7401,L	.7402		LCTAW560J2520	
SEMICONDUCTORS		CAPACI	TORS			E
IC7001	PEG121B	C7404,0			CKSRYB102K50	
IC7001 IC7002	S29JL032H70TFI21	C7404,0			CKSRYB102K50	
IC7004	TC74VHC08FTS1	37 701 (5.15.1121001110	
	-	RESIST	<u>ORS</u>			
OILS AND FILTERS		R7401-F			RS1/16S75R0F	_
F7001-F7006 EMI FILTER	CCG1162	Other R	esistors		RS1/16S###J	
A DA OLTO DO		AT: :== :	•			
CAPACITORS	01/00/75 / 201/5-	OTHERS		• • • • • • • • • • • • • • • • • • • •	ALCDAGG	
C7052	CKSSYB102K50		3P PIN J		AKB1321	
C7006,C7008,C7010-C7017,C7019 C7021,C7023,C7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16		3P PIN J	-	AKB1328 CKS3826	
C7032-C7034,C7036,C7037	CKSSYF104Z16	ON/402	. JOININE	0.011	01100020	F
C7039-C7042,C7044,C7046-C7048	CKSSYF104Z16					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
C7050	CKSSYF104Z16					
		PDP-R06XF				31
		FUE-BUDXE				

PDP-R06XE

	1	2	3		4
	Mark No. Description	Part No.	Mark No.	Description	Part No.
-	SR ASSY		LED ASSY		
				07000	
	SEMICONDUCTORS	MANAGOGODINA	SEMICONDUC	CIORS	DT4 40 45114
	IC7601	MAX3232CPW	Q8003		DTA124EUA
	IC7603 IC7602	TC74VHC00FTS1 TC74VHC125FTS1	Q8004		DTC124EUA RN2902
	Q7601,Q7605	2SA1586	Q8002 D8001		SML-311DT
	Q7603	2SC4116	D8003		SML-311UT
	4,000	2001110	20000		OME OTTO
	Q7602,Q7604,Q7606	DTC124EUA	D8004		SML310BA1T
	D7609-D7612	1SS355			
			SWITCHES A	ND RELAYS	
	<u>CAPACITORS</u>		S8001-S8006		ASG1088
	C7608,C7611	CEHVKW100M16			
	C7603-C7607,C7609,C7610	CKSSYF104Z16	CAPACITORS		
	DECICTORS		C8005,C8006		CCSRCH101J50
	RESISTORS	DC4/400###1	C8001,C8002		CKSSYF104Z16
	All Resistors	RS1/16S###J	DECICTORS		
	OTHERS		RESISTORS		DC4/4CC###1
	JA7603 4P MINI JACK	AKN1073	All Resistors		RS1/16S###J
	CN7602 9P D-SUB SOCKET	AKN1073 AKP1213	OTHERS		
	CN7601 CONNECTOR	CKS3826	CN8001 CONI	NECTOR	CKS3826
	JA7602 REMOTE CONTROL JACK		CINOUUT COINI	NECTOR	UN33826
			POWER SU	PPLY UNIT	
	FRONT ASSY			Unit has no service pa	rt.
	SEMICONDUCTORS		2.1.2.1.001121	oo 11100 pa	-
	IC7801	BR24C21FJ			
	IC7802	TC74VHC08FTS1			
	Q7806-Q7808	2SC4116			
	Q7804,Q7805	DTC124EUA			
	•		_ =====================================		
	D7813	1SS301	■ FOR PDP-	R06FE	
	D7813	1SS301			Part No
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803	1SS301 1SS302 UDZS5R1(B)	Mark No. MR MAIN A	Description	<u>Part No.</u>
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN AS OTHERS FRONT END	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY OCK]	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCTION	Description SSY OCK]	AXF1149 AXY1117
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004	Description SSY OCK]	AXF1149 AXY1117 2SA1586
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK]	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001 Q4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUS Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS R4021-R4023 R4007 Other Resistors OTHERS CN4008,CN401 12P F	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7803 12P FFC CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR CN7801 MINI JACK	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1236 AKN1028	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233

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Mark No. Description [RGB BLOCK] SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4213 (2220,C4244,C4269 C4273 C4205,C4216,C4219,C4221,C4222	Part No. BD6522F MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429 CCSSCH101J50	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	Part No. ACG7046 ACG7046 ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50 CKSSYB103K16	A B
SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4404,C4407 C4416,C4429 C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4459 (10/6.3V) ;/50V) ,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4424 (3.3UF C4449 C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4449 C4442 C44417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW470M16 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
TF4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	ı
EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSSYB102K50 CKSSYB102K50	
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4461 ,C4446	CKSSYB102K50	
C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACH1394 ACH1429	C4408,C4439 C4438,C4454 C4402,C4405	,C4446		
C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACH1394 ACH1429	C4438,C4454 C4402,C4405	,-	01/00/101/00/10	
C4210,C4244,C4269 C4273	ACH1429	C4402,C4405			
C4273		C4402,C4405		CKSSYB472K25	
	CCSSCH101.I50	•	,C4425,C4426,C4432	CKSSYF104Z16	
	CCSSCH101.I50	C4434.C4435	,C4447,C4451,C4460	CKSSYF104Z16	
C4205,C4216,C4219,C4221,C4222		C4465	, , ,	CKSSYF104Z16	
	CEHVKW101M6R3	C4414,C4437	,C4445	DCH1165	С
C4224,C4228,C4238,C4264	CEHVKW101M6R3				
C4226	CEHVKW220M16	RESISTORS			
C4214	CKSRYB104K16	All Resistors		RS1/16S###J	
C4203,C4217,C4223	CKSRYB105K10				
C4229,C4252	CKSSYB104K10	<u>OTHERS</u>			_
C4232	CKSSYB471K50	X4401 CRYS	STAL (18.432MHz)	ASS1196	
C4204,C4212,C4227,C4251	CKSSYF104Z16				
		[AV/10 DI 00	1/21		
C4261,C4262	CKSSYF104Z16	[AV IO BLOC	-		
C4211,C4225,C4256	DCH1165	SEMICONDU	<u>JCTORS</u>		
DECICTORS			5,Q4626,Q4639	2SA1586	_
RESISTORS	DO4/400/4/4/1	· · · · · · · · · · · · · · · · · · ·	2,Q4645,Q4646	2SA1586	D
All Resistors	RS1/16S###J		5,Q4607,Q4608	2SC4116	
		Q4618-Q4620 Q4632-Q4636),Q4622-Q4624,Q4629	2SC4116 2SC4116	
[TUNER BLOCK]		Q4032-Q4030),Q4043	2304110	
SEMICONDUCTORS		Q4611,Q4612)	2SD2114K	
· · · · · · · · · · · · · · · · · · ·	MOD04470		5,Q4621,Q4631	DTA124EUA	
IC4401 Q4404	MSP3417G	Q4610		DTA143EUA	_
Q4404 Q4401,Q4402	2SA1586 2SC4116	Q4613,Q4617	,	DTC124EUA	
Q4414 Q4414	DTA124EUA	Q4601,Q4609	,Q4625,Q4630	HN1A01FU	
Q4410,Q4413,Q4415	DTC124EUA				
Q1110,Q1110,Q1110	213121237	Q4644		HN1C01FU	
Q4407,Q4408	HN1A01FU	·	,D4611,D4621	1SS301	Е
Q4405	HN1B04FU	D4606,D4626		1SS355	_
Q4409	HN1C01FU	OOU C AND	EU TEDO		
D4401	UDZS33(B)	COILS AND		LOTANA LOTANA	
D4403	UDZS8R2(B)	L4602,L4604,	L4606,L4608	LCTAW1R0J2520	
0011 0 AND =11 T===		L4611,L4612 L4601,L4603,	I 4605 I 4607	LCTAW1R0J2520 LCTAW560J2520	
COILS AND FILTERS		L4609,L4610	L+000,L400/	LCTAW560J2520 LCTAW560J2520	
L4401-L4403 CHIP COIL	BTH1119	L+003,L+010		_O 17 17 4 0 0 0 0 C 0 C 0	
L4405,L4406	LCTAW150J2520	SWITCHES	AND RELAYS		
L4407	LCTAW4R7J2520	S4601		ASH1029	
L4404 F4401,F4402 FERRITE BEAD	LCTAW8R2J2520 VTF1080	0.001			
1 7701,1 4402 I LARITE DEAD	V 11 1000				
					F

PDP-R06XE

	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	CAPACITORS	S		C4807,C4809		CKSSYB104K10
		C4620 (10/6.3V)	ACG7046	C4801,C4819,	C4845,C4846,C4864	CKSSYF104Z16
		C4636 (10/6.3V)	ACG7046	C4873,C4884,	C4886,C4887	CKSSYF104Z16
Α	C4662 (100UF		ACH1394	C4917-C4920,		CKSSYF104Z16
	C4607,C4611,	C4617,C4619,C4624	CCG1205	C4844,C4863,	C4866,C4872,C4876	DCH1165
	C4628,C4643,	C4649	CCG1205			
				RESISTORS		
	C4602,C4623,		CEHAT471M10	R4784,R4786	D. 4700 D. 470 4 D. 4700	RS1/16S1800F
	C4606,C4608,		CKSRYB105K10		R4792,R4794,R4796	RS1/16S5600F
	C4615,C4616, C4631-C4633,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10 CKSRYB105K10	R4791,R4793, R4857-R4860,		RS1/16S75R0F RS1/16SS3301F
	,	C4650,C4652-C4654	CKSRYB105K10	Other Resistor	· · · · · · · · · · · · · · · · · · ·	RS1/16S###J
	04040,04040,	04000,04002 04004	CHOITIBIOGHTO	Other resistor	5	1101/100/////
	C4610,C4613,	C4627,C4630	CKSSYB102K50			
	C4647,C4648		CKSSYB102K50	[IF UCOM BL	OCK]	
В			CKSSYB102K50	SEMICONDU	ICTORS	
ь		C4622,C4637,C4651	CKSSYF104Z16	IC5002		HD64F3684FP
	C4603,C4625,	C4638	DCH1165	IC5003		PST9230N
	DECICTORS			IC5001		TC74VHC08FTS1
	RESISTORS	D.4000	D04/400404 I	IC5004		TC7W126FU
	R4608,R4670,		RS1/10S121J	Q5005		DTA124EUA
_	R4734,R4735	R4645,R4658,R4686	RS1/10S151J RS1/10S151J	0.500		DTG (C)FILE
	·	,R4643,R4675,R4681	RS1/16S75R0F	Q5001		DTC124EUA
	R4715-R4717,		RS1/16S75R0F	CADACITOD	c	
	,		. 10 17 1007 01 101	CAPACITORS	<u> </u>	0000011400150
	Other Resistors	S	RS1/16S###J	C5007,C5008 C5001		CCSSCH180J50 CEHVKW101M6R3
				C5010		CKSSYB472K25
С	<u>OTHERS</u>			C5002-C5005,	.C5009.C5012	CKSSYF104Z16
Ū		CONNECTOR (DUAL)	AKP1265		, ,	
	JA4602 RGB	CONNECTOR	AKP1266	RESISTORS		
				R5002,R5004,	R5007,R5025,R5026	RAB4CQ103J
	TAV CW DI O	CV1		Other Resistor	S	RS1/16S###J
	[AV SW BLOC	-				
	SEMICONDU	ICTORS	N. IN 44 000 41 4	<u>OTHERS</u>		
	IC4805 IC4806		NJM12904V R2S11001FT		MIC RESONATOR	ASS1168
	IC4804		R2S11001F1	X5001 CRYS	IAL	ASS1172
		,Q4804-Q4806,Q4809	2SA1586			
	Q4818,Q4820	•	2SA1586	[MAIN UCOM	BI OCKI	
	•			SEMICONDU		
D	Q4812,Q4813		2SC4116		icions	BR24L64F-W
	Q4814		DTA124EUA	IC5202 IC5206		MB91305PMC-G-BND
	Q4815		DTC124EUA	IC5207		MBM29DL162TE70TN
	Q4807		HN1B04FU	IC5210		MM1522XU
	D4802		1SS301	IC5209		PQ200WNA1ZPH
	D4801		1SS355			
_				IC5203		PST3628UR
	CAPACITORS	<u>S</u>		IC5201 Q5202		TC74VHC125FTS1 2SJ461A
	C4916 (4.7U/1	0V)	ACG1122	Q5202 Q5204		DTC124EUA
	C4821,C4835,	C4871,C4875 (10/6.3V)	ACG7046	Q5201		SM6K2
	C4877,C4880		CCSRCH181J50			
Е	C4859		CCSRCH331J50	D5203		1SS355
	C4861		CCSRCH680J50	D5201		SML-311UT
	C4885,C4888		CCSRCH681J50	CADACITOD	•	
	C4822,C4862		CEHVKW101M6R3	CAPACITORS	<u>5</u>	0000011004150
	C4802,C4805,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10	C5235 C5244,C5245		CCSRCH221J50 CCSSCH120J50
		C4820,C4833,C4834	CKSRYB105K10	,	C5237,C5239-C5243	CCSSCH470J50
	C4836,C4838-	·C4841,C4847,C4848	CKSRYB105K10	C5246-C5249		CCSSCH470J50
	C4850,C4851,	C4878 C4879	CKSRYB105K10	C5238		CEHVKW100M35
	C4899-C4905		CKSRYB105K10			
	C4837		CKSRYB474K10	C5201		CEHVKW101M6R3
	C4853-C4858,	,C4860,C4865	CKSSYB103K16	C5261-C5263		CKSSYB102K50
F	C4869,C4870,	C4890-C4893	CKSSYB103K16	C5216,C5233		CKSSYB103K16
				C5215 C5253		CKSSYB472K25 CKSSYF103Z50
				00200		51.05 IT 100200

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Mark No. Description	Part No.	Mark No. Description	Part No.	
C5202-C5209,C5211-C5214,C5219	CKSSYF104Z16	COILS AND FILTERS		
C5222-C5232,C5234,C5252	CKSSYF104Z16	<u>↑</u> F6001,F6002,F6010,F6011	CCG1162	
C5236	DCH1165	EMI FILTER		
RESISTORS		CAPACITORS		
R5262,R5268	ACN1248	C6056,C6088 (10/6.3V)	ACG7046	
R5205,R5213	RAB4CQ101J	C6078,C6083	CCSSCH8R0D50	
R5283	RS1/16S1001F	C6062,C6069,C6070,C6074,C6080	CKSSYB103K16	
R5282	RS1/16S4701F	C6046,C6058,C6063,C6064	CKSSYB104K10	
R5273	RS1/16S8201F	C6066,C6067,C6072,C6073	CKSSYB104K10	
Other Resistors	RS1/16S###J	C6075-C6077,C6081,C6082	CKSSYB104K10	
		C6084,C6085	CKSSYB104K10	
<u>OTHERS</u>		C6001-C6008,C6012-C6028	CKSSYF104Z16	
CN5202 50P CONNECTOR	AKM1201	C6031-C6045,C6065,C6068,C6071	CKSSYF104Z16	
K5201,K5202 TEST PIN	AKX9002	C6079,C6090,C6091	CKSSYF104Z16	
X5201 CERAMIC RESONATOR	ASS1178	RESISTORS		
		RESISTORS R6010,R6068,R6072	ACN1246	
TEXT UCOM BLOCK]		R6065,R6073	BCN1067	
SEMICONDUCTORS		R6007,R6030,R6071	RAB4CQ220J	
IC5403	K4S641632H-TC75	R6063	RS1/16SS1001D	
IC5404	S29AL016D70TFI010	R6038,R6039,R6049	RS1/16SS2000F	
IC5405	SDA6000	DCOE 4	D04/400000045	
IC5407	TC74LCX125FT	R6054 R6052	RS1/16SS2201D RS1/16SS6200D	
IC5402	TC7SH04FUS1	Other Resistors	RS1/16S86200D RS1/16S###J	
IC5406	TC7W126FU	Carlot Hoololoro	11017100111110	
Q5401,Q5406	DTA124EUA	<u>OTHERS</u>		
Q5403,Q5407	DTC124EUA	X6002 CRYSTAL	ASS1191	
D5404	1SS355			
D5401	UDZS12(B)	IADO DI COLO		
D5402	UDZS3R0(B)	[ADC BLOCK]		
D5402 D5403	UDZS3R0(B)	SEMICONDUCTORS	AD00051/077 440	
	3223. (0)	IC6201	AD9985KSTZ-110	
COILS AND FILTERS		COILS AND FILTERS		
Ŋ F5402,F5403 EMI FILTER	CCG1162	⚠ F6201,F6204 EMI FILTER	CCG1162	
CAPACITORS				
C5412,C5438,C5453 (10/6.3V)	ACG7046	CAPACITORS		
C5422.C5423	CCSSCH200J50	C6205,C6209	CKSSYB104K10	
C5404	CKSSYB102K50	C6207,C6210,C6218	CKSSYB473K16	
C5403	CKSSYB103K16	C6202 C6201	CKSSYB822K16 CKSSYB823K10	
C5445	CKSSYB104K10	C6201,C6204,C6206,C6208	CKSSYF104Z16	
C5405,C5406,C5408,C5410,C5413	CKSSYF104Z16			
C5405,C5406,C5408,C5410,C5413 C5416,C5418,C5420,C5425,C5427	CKSSYF104Z16 CKSSYF104Z16	C6211,C6212,C6215-C6217	CKSSYF104Z16	
C5429-C5431,C5434,C5435,C5440	CKSSYF104Z16	C6222-C6224	CKSSYF104Z16	
C5442,C5446,C5449,C5451,C5454	CKSSYF104Z16	RESISTORS		
C5456,C5458,C5460,C5476	CKSSYF104Z16	R6213,R6218,R6223	BCN1067	
250107070		R6202	RS1/16SS2701F	
RESISTORS	AON4054	Other Resistors	RS1/16S###J	
R5409	ACN1251		-	
R5404,R5428,R5429,R5434,R5435 R5439,R5457,R5476	BCN1067 RAB4CQ103J			
R5432,R5460	RAB4CQ103J	[HDMI BLOCK]		
Other Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>		
		IC6403	BR24L02FJ-W	
<u>OTHERS</u>		IC6405	PCM1754DBQ	
X5401 CRYSTAL	ASS1193	IC6404 Q6416	SII9021CTU 2SA1586	
		Q6414	DTA124EUA	
VDEC BLOCK]				
SEMICONDUCTORS		Q6415	DTC124EUA	
IC6002	K4S161622H-TC60	Q6405	HN1K02FU	
IC6002 IC6003	UPD64015AGM-UEU	Q6404 D6408	RN1902	
	SI DOTO IONGIVITULU	D6408 D6407	1SS301 UDZS6R8(B)	
		50-101	35230110(B)	
	PI	OP-R06XE		35
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	1 -	2	3	-	4
	Mark No. Description	Part No.	Mark No.	Description	Part No.
	<u>COILS AND FILTERS</u> <u></u> ↑ F6401 EMI FILTER	CCG1162	[IP BLOCK] SEMICONDUC IC6801,IC6802	CTORS	K4S643232H-TC60
	CAPACITORS	1007010	IC6803		PE5504B
	C6491 (10/6.3V) C6401,C6403,C6405,C6407,C6411	ACG7046 CCSSCH101J50	COILS AND F	ILTERS	
	C6419,C6426,C6428,C6430,C6432	CCSSCH101J50		CHIP FERRITE BEAD	BTX1042
	C6434,C6435,C6438,C6440,C6442 C6444,C6446,C6448,C6449,C6454	CCSSCH101J50 CCSSCH101J50	CAPACITORS		
	00450 00450 00404 00400 00400	000001404150	C6801 (10/6.3V		ACG7046
	C6456,C6459,C6464,C6466,C6468 C6470,C6472,C6474,C6476,C6478	CCSSCH101J50 CCSSCH101J50	C6863	6807-C6809,C6813	CKSSYB102K50 CKSSYF104Z16
	C6480,C6482 C6462,C6463	CCSSCH101J50 CCSSCH120J50	C6815-C6817,C	6821,C6824-C6828	CKSSYF104Z16
	C6484	CEHVKW220M6R3	C6830,C6831,C	6834,C6835	CKSSYF104Z16
	C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16	C6839-C6862		CKSSYF104Z16
	C6412,C6414,C6416,C6418,C6420	CKSSYF104Z16	RESISTORS		
	C6422,C6423,C6427,C6429,C6431 C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16 CKSSYF104Z16	R6833,R6838		ACN1246
	C6443,C6445,C6447,C6450,C6451	CKSSYF104Z16	R6841,R6844-F		ACN1251
	C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16	R6823,R6825,F	86816,R6820,R6821 86827,R6828	BCN1067 BCN1067
	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16	R6818		BCN1071
	C6475,C6477,C6479,C6481,C6483 C6490	CKSSYF104Z16 CKSSYF104Z16	R6832		RAB4CQ101J
		010011 104210	R6817 Other Resistors		RAB4CQ470J RS1/16S###J
	RESISTORS	AON4054	Other Resistors		NS1/105###J
	R6418,R6419,R6421 R6414	ACN1251 RAB4CQ100J		Z1	
	R6465	RAB4CQ103J	[MULTI BLOCI		
	R6438 R6416	RAB4CQ470J RAB4CQ680J	IC7001	<u> </u>	PEG121B
	Other Resistors	RS1/16S###J	IC7002 IC7004		S29JL032H70TFI21 TC74VHC08FTS1
		N31/103###J			
	OTHERS JA6402 HDMI CONNECTOR	AL/D1070	COILS AND F		CCG1162
	X6401 CRYSTAL	AKP1278 ASS1192			0001102
			CAPACITORS C7052		CKSSYB102K50
	[DSEL BLOCK]			7010-C7017,C7019	CKSSYF104Z16
	<u>SEMICONDUCTORS</u>		C7021,C7023,C C7032-C7034,C	7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16
	IC6601 IC6602	PD6523A TC74LCX125FT		7044,C7046-C7048	CKSSYF104Z16
			C7050		CKSSYF104Z16
	COILS AND FILTERS ⚠ F6604 CHIP FERRITE BEAD	ATX1058			-
	⚠ F6601-F6603 EMI FILTER	CCG1162	RESISTORS B7011.B7013.B	7024,R7032,R7036	ACN1246
	CAPACITORS		R7062-R7064		ACN1251
	C6632 (10/6.3V)	ACG7046	R7015,R7023 R7016,R7018,F	7070	RAB4CQ101J RAB4CQ103J
	C6604	CCSRCH221J50	R7060	17070	RAB4CQ680J
	C6631 C6601-C6603,C6607-C6610	CKSSYB102K50 CKSSYF104Z16	OIL D		DO4/400/4/4/1
	C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16	Other Resistors		RS1/16S###J
	C6625-C6627,C6629,C6630	CKSSYF104Z16	[MR IF BLOCK	n	
	RESISTORS		SEMICONDUC	-	
	R6603-R6605	ACN1251	IC7202		SII170BCLG64
	R6611,R6614,R6618	BCN1071	IC7201,IC7203 Q7206		TC74VHC08FTS1 2SA1586
	R6613,R6620 Other Resistors	RAB4CQ101J RS1/16S###J	Q7203,Q7207,C	27210	DTA124EUA
			Q7211		DTC124EUA
	OTHERS X6601 CRYSTAL	ASS1194	Q7209		HN1C01FU
			Q7201 D7202-D7206		RN1902 1SS355
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PDP-R06XE

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■ 5 ■	6	- 7	8	
Mark No. Description	Part No.	Mark No. Description	Part No.	
COILS AND FILTERS		FRONT ASSY		
♠ F7204-F7207 EMI FILTER ♠ L7201 CHIP FERRITE BEAD	ATF1209	SEMICONDUCTORS		
⚠ F7201-F7203,F7208 EMI FILTER	BTX1042 CCG1162	D7801-D7803	UDZS5R1(B)	Α
	0001102	D7804,D7808	UDZS9R1(B)	
<u>CAPACITORS</u>		COILS AND FILTERS		
C7203,C7207,C7208 (10/6.3V) C7226,C7227	ACG7046 CCSSCH100D50	L7801,L7802	LCTAW1R0J2520	
C7201,C7204,C7211,C7213,C7214	CCSSCH101J50	O A DA OLTODO		
C7216,C7217,C7219,C7221	CCSSCH101J50	CAPACITORS C7803.C7804	CKSRYB103K50	
C7223	CKSSYB102K50	C7805,C7808,C7809,C7813	CKSRYB105K10	
C7209,C7215,C7220,C7225,C7228	CKSSYB471K50	C7801	CKSRYB473K16	
C7202,C7205,C7206,C7210,C7212	CKSSYF104Z16		CKSSYB102K50 CKSSYF104Z16	
C7218,C7224	CKSSYF104Z16	07002,07000-07000	010011104210	
RESISTORS		C7835	DCH1165	В
R7215	RAB4CQ101J	RESISTORS		
R7216	RS1/16S5100F	R7801,R7803,R7809	RS1/16S75R0F	
Other Resistors	RS1/16S###J	Other Resistors	RS1/16S###J	
<u>OTHERS</u>		OTHERS		
CN7201 20P SOCKET	AKP1226	JA7803 3P PIN JACK	AKB1303	
CN7202 24P DVI SOCKET	AKP1250	CN7803 12P FFC CONNECTOR	AKM1233	
		CN7804 50P CONNECTOR	AKM1236	
		JA7801 4P MINI DIN SOCKET	AKP1238	
REAR IO ASSY				С
COILS AND FILTERS	LOTANA/500 10500	1 ED 400V		C
L7401,L7402	LCTAW560J2520	LED ASSY		
<u>CAPACITORS</u>		SEMICONDUCTORS Q8004	DTC124EUA	
C7404,C7405	CKSRYB102K50	Q8004 Q8002	RN2902	
C7401-C7403	CKSRYB105K10	D8003	SML-311UT	
RESISTORS		D8004	SML310BA1T	_
R7401-R7403	RS1/16S75R0F	SWITCHES AND RELAYS		
Other Resistors	RS1/16S###J	S8001-S8006	ASG1088	
OTHERS		O A DA OLTO DO		
JA7402 3P PIN JACK	AKB1328	CAPACITORS C8005,C8006	CCSRCH101J50	D
CN7402 CONNECTOR	CKS3826	C8001,C8002	CKSSYF104Z16	
JA7401 3P PIN JACK	PKB1034			
		RESISTORS	D04/400/11/11/1	
07.1007		All Resistors	RS1/16S###J	
SR ASSY		<u>OTHERS</u>		
SEMICONDUCTORS IC7601	MAX3232CPW	CN8001 CONNECTOR	CKS3826	
IC7601	TC74VHC125FTS1			
CAPACITORS	0510/////	POWER SUPPLY UNIT		Е
C7608 C7603-C7607.C7610	CEHVKW100M16 CKSSYF104Z16	POWER SUPPLY Unit has no service pa	art.	L
2.222 2.00.,0.0.0				
<u>RESISTORS</u>				
All Resistors	RS1/16S###J			
OTHERS				
CN7602 9P D-SUB SOCKET	AKP1213			_
CN7601 CONNECTOR	CKS3826			
				F

6. ADJUSTMENT

1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. Replacement of individual components on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.

3

2. Use a stable AC power supply.

6.1 POSSIBLE CASES WHERE READJUSTMENT IS REQUIRED

2

■ When any of the following assemblies is replaced

В (POWER SUPPLY Unit	No adjustment required
_	MR MAIN Assy	No adjustment required
(PC Card Module	No adjustment required
• (R06 D-TUNER Assy	No adjustment required
(Other assemblies	No adjustment required

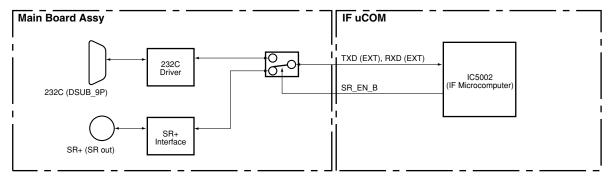
O	■ When any part in the following	assem	blies is replaced
	POWER SUPPLY Unit	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	MR MAIN Assy	→	Replacement of components IC4804, IC4806, IC5207, IC6001, IC6003 and IC6201 on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.
D	PC Card Module	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	R06 D-TUNER Assy	→	The assembly must be replaced as a unit, and no part replacement is allowed.
I	Other assemblies	→	No adjustment required

PDP-R06XE

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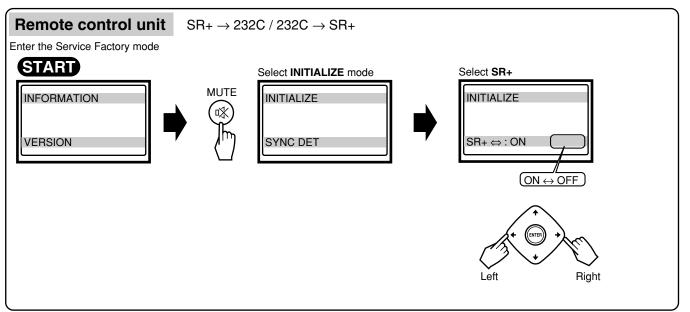
For the PDP-436HD and PDP-506HD series Plasma Displays, the circuitry is structured as shown in the diagram below to support the SR+ system. Controlling with either the SR+ system or RS-232C commands can be selected. As the SR+ system is selected at shipment, to control with RS-232C commands in servicing it is necessary to switch the paths. After servicing, be sure to return the setting to the SR+ system.

Rough diagram of switching between SR+ and RS-232C



● How to switch from SR+ to RS-232C

5



Tips: How to change the SR+/RS-232C setting without entering Service Factory mode

Hold the **VOLUME** ⊿+ or ⊿− key on the remote control unit pressed for 3-10 seconds during Standby mode. Then within 3 seconds after the key is released, hold the **2-screen ③** key on the remote control unit pressed for 3-10 seconds. Then within 3 seconds after the key is released, use the **SET** key on the remote control unit to set to RS-232C (the baud rate last selected is chosen) or the **HOME MENU** key to set to SR+.

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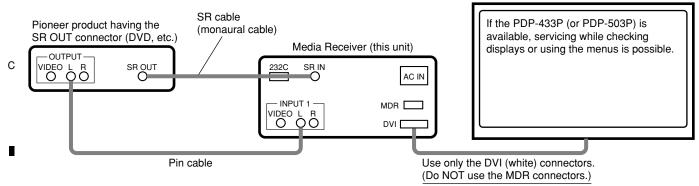
6.3 SERVICING USING ONLY THE MEDIA RECEIVER

For servicing of the PDP-436HD and PDP-506HD-series Plasma Display using only the Media Receiver, the following two methods can be used:

Operations using a Media Receiver alone are provided for rewriting software and essentially are not guaranteed as proper operations. As video signals are output during those operations, when the plasma display is connected to the Media Receiver, as shown in the connection examples below, you can check the signals on the screen. However, when a plasma display model prior to the PDP-433P(or PDP-503P) is connected, noise may appear in the signals. To check functions or operations, be sure to use a PDP-436P(or PDP-506P).

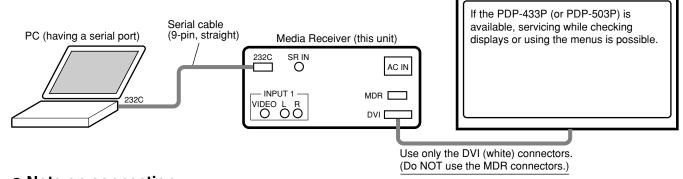
Remote controlling using SR connections (Except PDP-R06FE) About connections

- Connect the SR OUT connector of a Pioneer product having that connector (a DVD in the following example) and the SR IN connector of the Media Receiver, using the SR cable. As the remote control sensor is not provided with the Media Receiver, this connection is required for using the remote control unit if the panel is not available. In this case, aim the remote control unit at the remote control sensor of the device (DVD in this case).
- Connect either the audio or the video output of the device (DVD in the example) and the corresponding audio or video input of the Media
 Receiver, using a cable with phono plugs. This connection is required in order to use ground in common with the SR cable, because with the
 SR cable connection the ground connection for signal reference is not available. In the example, the audio L channel is used, but the audio
 R channel or video can be used instead.
 - If the plasma display for a previous model, such as the PDP-433P or PDP-503P, is available, servicing while checking displays or using the menus is possible. For this, connect only the DVI connectors (white) of the Media Receiver and the plasma display. The MDR connector of the Media Receiver must not be used, even though it has the same shape and number of pins, because signals assigned to the connectors differ. Using the MDR connector may damage the unit.



RS-232C control using a PC

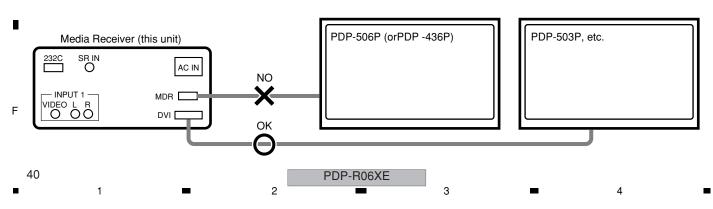
RS-232C control is not available in shipment. Please set baud rate of PC in 38400bps. For connection with the PC, use a straight cable.



Note on connection

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If the MDR connector of the PDP-436HD or PDP-506HD-series is used, it is considered that the PDP-436P (or PDP-506P) is connected, and the Media Receiver operates on such precondition, **which may result in a failure of the Media Receiver. Be sure not to connect to the MDR connector.** (Do NOT use the MDR connector when servicing the Media Receiver alone.)



To operate in Service Factory mode, use the supplied remote control unit.

How to enter Service Factory Mode

While in Standby mode, follow the below procedures with the remote control to enter Service Factoy mode.

- 1. Press the [DISPLAY] key.
- 2. 3 second counter will start.
- 3. After 3 seconds, press [LEFT] key. (If no operation is done within 10 seconds, the Service
- 4. 5 Second counter will start.
- 5. Before 5 second counter ends, press [UP] key.
- 6. Before 5 second counter ends, press [LEFT] key.
- 7. Before 5 second counter ends, press [RIGHT] key.
- 8. Before 5 second counter ends, press [POWER] key.
- Factory routine is cleared, and the standby mode is returned) 9. If the prodcedure is correct with the given time, the Service Factory mode is up and ready.
- * During step 3 to 8, if other operations took place, the Service Factory routine is cleared.
- * If the counter's time is up, normal standby mode is returned.

Operation in Service Factory mode

• Functions whose settings are set to OFF

The settings for the following functions are set to OFF when Service Factory mode is entered (including when the "FAY" command is received):

- Two-screen operations (input function set on the main side is selected)
- P ZOOM
- FREEZE
- Detection of the TRAP switch (The log in the EEPROM is retained.) (KUC type only)

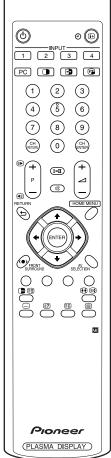
User data

User data will be treated as follows:

- · User data on picture- and audio-quality adjustments are not reflected, and factory-preset data are output (user data will be retained in memory). When the unit enters Factory mode, the current audio-quality adjustment data will still be retained in
- As to data on various settings, user data will be applied to the items that are associated with signal format change (screen size switching, etc.).
- · Data on screen (i.e., screen position; meaning clock dividers, and not including data on screen size) are reset to the default values (data stored in memory will be retained). Screen size will be retained.

■ Remote control codes in Service Factory mode

SR Function	Main Function	Remarks
Muting	Switching the main items	Shifting to the next main item (top)
DOWN	Switching the subtitled items	Shifting downward to the next subtitled item
UP	Switching the subtitled items	Shifting upward to the next upper layer
LEFT	Increasing the adjustment value	Increasing the adjustment value
RIGHT	Decreasing the adjustment value	Decreasing the adjustment value
SET	Switching layers	Shifting downward or upward to the next lower or upper layer
INPUT	Selecting input	Shifting the input to the next function
INPUTxx	Selecting input	Switching the input to xx
CH+	Increasing the channel number	Advancing a preset channel (effective when Function is set to TV)
CH-	Decreasing the channel number	Turning a preset channel backward (effective when Function is set to TV)
Numeric keys	Function: TV	Function: TV (previously selected channel number is selected)
POWER	Power OFF	Turning the power off
FACTORY	Factory OFF	Turning Service Factory mode off
MENU	Menu ON	Turning Service Factory mode off and Menu mode on



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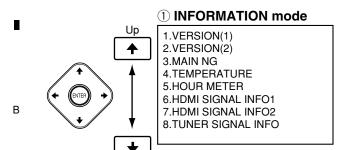
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■ Changes of the Service Factory menus



Down



6 INITIALIZE mode

1.SYNC DET
2.SG MODE
3.SG PATTERN
4.SIDE MASK LEVEL
5.FINAL SETUP
6.SR+
7.UART SELECT
8.CVT AUTO
9.HDMI INTR POSITION





2 FUNCTION CHECK mode

1.FAN 2.DTB ANT VOLT (PDP-R06XE Only)



5 OPTION mode

1.PEAK LIMITER 2.EDID WRITE MODE 3.CH PRESET



③ COMMON ADJ. mode

1. RGB 1



4 PANEL FACTORY mode

1.PANEL INFORMATION
2.PANEL WORKS
3.POWER DOWN
4.SHUT DOWN
5.PANEL-1 ADJ
6.PANEL-2 ADJ
7.PANEL REVICE
8.ETC
9.MASK SETUP

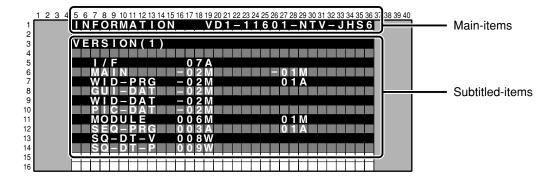
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PDP-R06XE

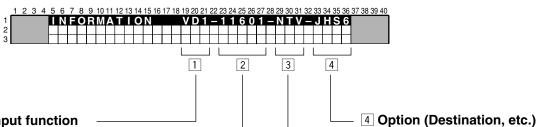
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■ Indications in Service Factory mode



■ Main-item indications

Four parameters are displayed:



1 Input function

Input Functions	On-Screen Display
INPUT 1-5	AV 1 - 5
Analog Tuner	AIR
Digital Tuner	ARD
PC Card	PCC
PC	PC

Note: AV5/ARD/PCC/ PC is PDP-R06XE only.

2 SIG mode and screen size

Note: See SIG-Mode Tables. (See next page.)

3 Color system and signal type

Color System and Signal Type		On-Screen Display	Color System and Signal Type		On-Screen Display
NTSC		NTV	NTSC		NTS
PAL		PLV	PAL		PLS
PAL N		PNV	PAL N		PNS
PAL M	Composite input	PMV	PAL M	S-connector input	PMS
SECAM		SCV	SECAM		SCS
4.43NTSC		4NV	4.43NTSC		4NS
BLACK/WHITE		BWV	BLACK/WHITE		BWS
Y/CB/CR	•	CBR	RGB	·	RGB
Y / PB / PR		PBR	Digital video signal		DIG

Options

Advanced: PDP-R06XE

Basic: PDP-R06FE

On-Screen Display

EHS6

EBS6

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SIG-Mode Table

В

The signal mode is displayed in four charecters:

1st and 2nd charecters: Resolutin of the input signal (numerics for the video signals, and alphabetics for the PC signals)

3rd and 4th charecters: Grouping of the V frequencies (refresh rate)

5th charecter : Selection of the screen size by the user is displayed.

SIG-Mode table for video signals (resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
10	50	SDTV*625i	50.000	15.625
10	60	SDTV*525i	60.000	15.750
12	60	SDTV*525i (PAL60)	60.000	15.750
00	50	SDTV*625p	50.000	31.250
20	60	SDTV*525p	60.000	31.500
00	50	HDTV*1125i	50.000	28.125
30	30 60 HDTV*1125i	60.000	33.750	
40	50 HDTV*750p	HDTV*750p	50.000	37.500
40	60	HDTV*750p	60.000	45.000
50	24	HDTV*1125p	24.000	27.000

Fv: Vertical Frequency, Fh: Horizontal Frequency

SIG-Mode table for PC signals(resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
C1	70	720x400	70.087	31.469
	60		59.940	31.469
C2	72	640x480	72.809	37.861
	75		75.000	37.500
	56		56.250	35.1556
0.4	60	800x600	60.317	37.879
C4	72		72.188	48.077
	75		75.000	46.875
	60		60.004	48.363
C7	C7 70 1024x768	1024x768	70.069	56.476
	75		75.029	60.023
	56		56.250	45.113
C8	60	1280x768	59.833	47.986
	70		70.000	56.137

Fv: Vertical Frequency, Fh: Horizontal Frequency

Selection of the screen size by the user is displayed.				
5th	Description on GUI	VIDEO	PC	Remarks
0	DOT BY DOT	_	•	
1	4:3	•	•	
2	FULL(FULL1)	•	•	
3	ZOOM	•	_	
4	CINEMA	•	-	
5	WIDE	•	-	
6	FULL 14:9	•	-	
7	CINEMA 14:9	•	_	
8	FULL2	•	•	

●: available, -: not available

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PDP-R06XE

■ Factory Menus

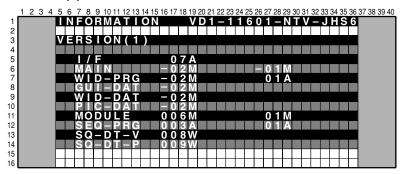
1) INFORMATION mode

5

Operation items

No.	Function / Display	Content	
1	VERSION (1)	The flash memory versions for each device are displayed. (common part)	QS1
2	VERSION (2)	The flash memory versions for each device are displayed. (individual part)	QS6
3	MAIN NG	The shutdown generated on Media Receiver side and its time of occurrence are displayed.	QNG
4	TEMPERATURE	Information of temperature and fan status on Media Receiver side are displayed.	QMT
5	HOUR METER	Cumulative power-on time to the Media Receiver is displayed.	
6	HDMI SIGNAL INFO 1	The Clair formation of LIDAN and a see Stanland	-
7	HDMI SIGNAL INFO 2	The file information of HDMI series are displayed.	
8	TUNER SIGNAL INFO	The signal information on TUNER is displayed.	

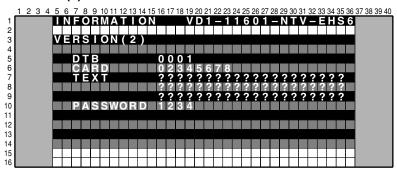
1. VERSION (1)



Flash memory on Device	On-Screen Display
IF microcomputer	I/F
Main microcomputer	MAIN
Program for CARRERA-MANTA	WID-PRG
GUI data for CARRERA-MANTA	GUI-DAT
Enhanced data for CARRERA-MANTA.	WID-DAT
Picture Quality data for CARRERA-MANTA	PIC-DAT
Module microcomputer(for the PDP)	MODULE
Program for ASTRA-MANTA(for the PDP)	SEQ-PRG
Sequence data for ASTRA-MANTA Video	SQ-DT-V
Sequence data for ASTRA-MANTA PC	SQ-DT-P

2. VERSION (2)

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On - Screen Display	Version Display	Remarks
DTB	4 character	PDP-R06XE only
CARD	8 character	PDP-R06XE only
TEXT	60 character	20 character x 3
PASSWORD	4 character	
	DTB CARD TEXT	DTB 4 character CARD 8 character TEXT 60 character

45

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PDP-R06XE

В

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 44

INFORMATION VD1-11601-NTV-JHS6

MAIN NG

MAIN SUB

1 MA-IIC FE2

2 MA-IIC AV-SW

0 0 0 1 3 H 5 0 M

3 MA-SRL

D-SEL

0 0 0 0 2 H 5 2 M

4 MAIN ----
0 0 0 0 0 H 5 8 M

5 TEMP2

12

13

14

15

16

• Media Receiver NG information

OSD: MAIN	OSD: SUB	Cause of Shutdown
MODULE		Abnormary in Module microcomputer communication
MA-SRL		Abnormary in 3-wire Serial Communication of the Main microcomputer.
	IF	Communication failure of IF microcomputer
	MULTI1	MANTA communication failure(MULIT1)
	I/P	MANTA communication failure(I/P)
	D-SEL	MANTA communication failure(D-SEL)
MA-IIC		Abnormary in Main microcomputer IIC communication
	FE1	Analog Tuner 1(Front End 1)
	FE2 *	Analog Tuner 2(Front End 2)
	MPX	MPX
	AV-SW	AV Switch
	RGB-SW	RGB Switch
	CCD *	CCD
	GCR *	GCR
	M-VDEC	Main VDEC
	S-VDEC	Sub VDEC
	ADC	AD/PLL
	HDMI	НОМІ
	PLK-T	TMDS Tx
	PLK-R	TMDS Rx
	TX-COM	M2 Communication
	TX-BSY	M2 Busy
	MA-EEP	64k EEPROM
MAIN		Abnormary in Main microcomputer communication
FAN		Fan stopped
TEMP2		Abnormally high temperature of the MR.
DTUNER		Failure of the Digital Tuner
	PS/RST	Failure in DTB Starting
	RETRY	DTB communication failure
M-DCDC		Power decrease of the DC-DC converter (only for SX model)
HOME-G		Failure of the Home Gallery
	CD-COM	PC Card Communication failure
	CD-DEV	Requirement for resetting from the PC Card
	CD-RST	PC Card reset failure

^{*:} Not available

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Ε

PDP-R06XE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

INFORMATION VD1 - 11 6 0 1 - NTV - J H S 6

TEMPERATURE

TEMP2 : 1 3 0

FAN : MIN

FAN : MIN

111

122

131

144

155

16

TEMP2: The value read from the temperature sensor built into the Media Receiver is displayed in the range of 000-255. For reference, the approximate value for 60°C is 86 and for 35°C is 67.

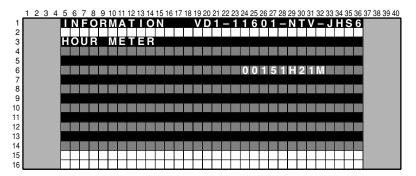
Reference: When TEMP2 exceeds 100 (about 78°C), SD LED (Blue) flash 11 times.

FAN: The value of the Fan output is displayed.

STOP: stopped, MIN: slow speed, MAX: high speed

5. HOUR METER

5



The cumulative power-on time of the Media Receiver is displayed.

47

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6. HDMI SIGNAL INFO

В

• Technical examination display (Reading status registers in HDMI receiver and displaying them by HEX value.)

	HDMI SIGNAL INFO 1				
	SA	Context			
	- 4E:	Video DE pixels [7:0]			
	- 4F:	Video DE pixels [11:8]			
0x60	- 50:	Video DE lines [7:0]			
	- 51:	Video DE lines [10:8]			
	- 55:	Video status (interlace or progressive, sync polarity)			
	- 2A:	Audio in channel status (PCM, copy information etc.)			
	- 30:	Audio in SPDIF channel status (sampling frequency)			
	- 31:	Audio in SPDIF channel status (sample word length)			
	- 44:	AVI InfoFrame data1 (video format etc.)			
	- 45:	AVI InfoFrame data2 (colorimetry, aspect ratio)			
	- 46:	AVI InfoFrame data3 (video scaling)			
0x68	- 47:	AVI InfoFrame data4 (video identification code)			
	- 48:	AVI InfoFrame data5 (pixel repeat value for 2880dot)			
	- 84:	Audio InfoFrame data1 (channel count, cording type)			
	- 85:	Audio InfoFrame data2 (always zero)			
	- 86:	Audio InfoFrame data3 (always zero)			
	- 87:	Audio InfoFrame data4 (channel / speaker allocation)			
	- 88:	Audio InfoFrame data5 (downmix inhibit, level shift value for downmixing)			

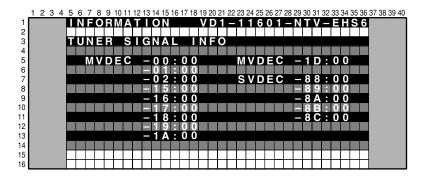
48

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PDP-R06XE

	HDMI SIGNAL INFO 2			
SA		Context		
0x60	- 3A:	Video full H resolution [7:0]		
	- 3B:	Video full H resolution [12:8]		
	- 3C:	Video full V lines [7:0]		
	- 3D:	Video full V lines [10:8]		
	- 06:	N Value for audio clock regeneration method. [7:0]		
	- 07:	N Value for audio clock regeneration method. [15:8]		
0,,00	- 08:	N Value for audio clock regeneration method. [19:16]		
0x68	- 0C:	CTS Value for audio clock regeneration method. [7:0]		
	- 0D:	CTS Value for audio clock regeneration method. [15:8]		
	- 0E:	CTS Value for audio clock regeneration method. [19:16]		

7. TUNER SIGNAL INFO



• Tuner signal information in MVDEC / SVDEC.

Device	SA	Context			
	00h	Signal distinction 1			
	01h	Signal distinction 2			
	02h	Flag detection output			
	15h	Noise level detection 1			
MVDEO	16h	Noise level detection 2			
MVDEC	17h	Non - standard signal detection			
	18h	Subcarrier signal detection			
	19h	ACC data output			
	1Ah	ACC information output			
	1Dh	Input signal mode			
	88h	Status register 1 (TV/VCR status)			
	89h	Status register 2 (Macrovision detection etc)			
SVDEC	8Ah	Status register 3 (Front-end AGC gain value)			
-	8Bh	Status register 4 (Subcarrier to horizontal (SCH) phase)			
	8Ch	Status register 5 (signal distinction)			

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2 FUNCTION CHECK

Operation items

No.	Display	Content	RS-232C
1	FAN <=>	Control FAN speed for Force.	_
2	DTB ANT VOLT <=>	Change the power supply voltage for DTB antenna.	_

3

2

3 COMMON ADJ. mode

RGB1

В

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Only for the technical use.

4 PANEL FACTORY mode

Operation items

No.	Function / Display		
1	PANEL INFORMATION		
2	PANEL WORKS		
3	POWER DOWN		
4	SHUT DOWN		
5	PANEL-1 ADJ		
6	PANEL-2 ADJ		
7	PANEL REVICE		
8	ETC		
9	MASK SETUP		

Refer to the service manual of the PDP-506P/436P.

⑤ OPTION mode

Operation items

No.	Function/Display	Content	RS-232C
1	PEAK LIMITTER ⇔	Control Peak Limitter (Select ON/OFF)	_
2	EDID WRITE MODE ⇔	Control EDID WRITE MODE (Select DISABLE/ENABLE)	
3	CH PRESET ⇔	USER ⇔ FACTORY	

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PDP-R06XE

6 INITIALIZE mode

5

Operation items

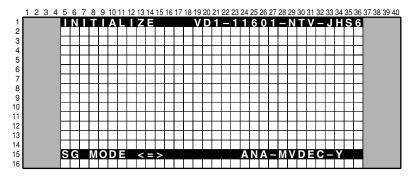
No.	Function/Display	Content	RS-232C
1	SYNC DET(+)	Only for the technical use.	_
2	SG MODE ⇔ Paired SG_MODE with SG_PATTERN. Select SG Route.		_
3	SG PATTERN ⇔	Paired SG_MODE with SG_PATTERN. Select SG Pattern.	_
4	SIDE MASK LEVEL(+)	Adjust Side Mask Color(R,G,B).	BSL GSL RSL
5	FINAL SETUP(+) Initialize flash memories on virgin product status		FST
6	SR+ ⇔ Select SR+ mode or UART SELECT mode.		_
7	UART SELECT ⇔ Select boud Rate on RS-232C Communication		_
8	CVT AUTO ⇔ Only for the productical use.		_
9	HDMI INTR POSITION(+) Only for the technical use.		_

1. SYNC DET(+)

Only for the technical use.

2. SG MODE

The route of the Test Signal from the MVDEC is chosen by this function. After setting this function, SG pattern should be set.



No.	Display	Function
1	SG OFF	SG is set to OFF
2	DIG MVDEC YCBCR	Digital output (YCbCr)
3	ANA MVDEC Y	Analog output to the Videio SW (Y)
4	ANA MVDEC RGB	SCART (PDP-R06XE only)
5	ANA SVDEC Y	Analog output to the SUB Videio SW(Y)
6	ANA AD YCBCR	Analog output to the RGB SW (YCbCr)
7	ANA AD RGB	Analog output to the RGB SW (RGB)

51

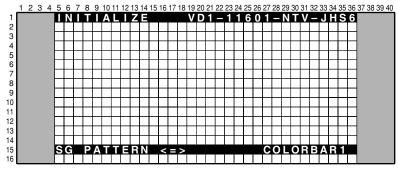
В

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3. SG PATTERN

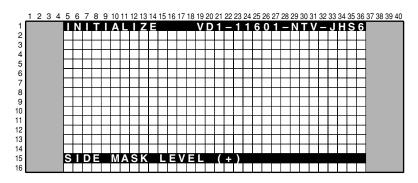


No.	Function/Display	SG Pattern (Brightness IRE Level/Color)	No.	Function/Display	SG Pattern (Brightness IRE Level/Color)
1	COLOR BAR1	Colorbar(75%)	11	RASTER4	Raster(75% Green)
2	COLOR BAR2	Colorbar(100%)	12	RASTER5	Raster(75% Magenta)
3	RAMP1	Ramp(100% white)	13	RASTER6	Raster(75% Red)
4	RAMP2	Ramp(100% Yellow)	14	RASTER7	Raster(75% Blue)
5	RAMP3	Ramp(75% Green)	15	RASTER8	Raster(-% Black)
6	RAMP4	Ramp(75% Red)	16	10STEP1	10STEP(100% white)
7	RAMP5	Ramp(75% Blue)	17	10STEP2	10STEP(100% Yellow)
8	RASTER1	Raster(100% White)	18	10STEP3	10STEP(75% Green)
9	RASTER2	Raster(75% Yellow)	19	10STEP4	10STEP(75% Red)
10	RASTER3	Raster(75% Cyanide)	20	10STEP5	10STEP(75% Blue)

Important notice of the Test Signal mode (SG mode, SG pattern)

- The route switching should be done correctly in the factory mode.
- Y or G signal from SG should be input to the AVI terminal of the MVDEC when the SG signal is output.
- The function of the blanking offset (50 IRE) should be OFF during the SG mode.
- The setting of the Y/C separation function should be set to the NTSC during the SG mode
- Only the RGB and Component signals can be output during SG mode, so only the Y signal is input at the CVBS and S signal mode, thus the picture is composed in black and white color. This isn't a trouble.
- The SG mode 7 (ANA AD RGB) is only for the factory mode. Therefore some probrem (strange color, unstable brightness etc.) might be happened.

4. SIDE MASK LEVEL



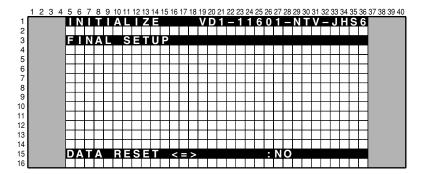
Level of the side mask (R, G, and B) can be adjusted by using this menu. The input signal is necessary to adjust it.

No.	Display	Context	RS-232C
1	R MASK LEVEL ⇔	Adjust Side Mask R (range :000-255)	RSL
2	G MASK LEVEL ⇔	Adjust Side Mask G (range :000-255)	GSL
3	B MASK LEVEL ⇔	Adjust Side Mask B (range :000-255)	BSL

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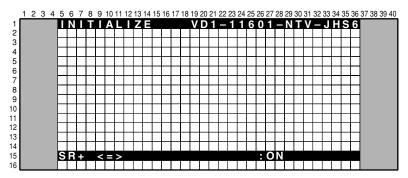
PDP-R06XE

5. FINAL SETUP



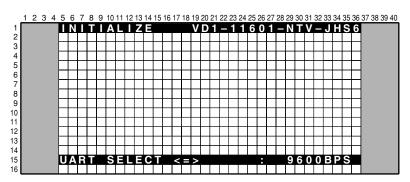
The value of all memorized data are set to shipment status. If the ENTER key is kept on pressing for 5 second when the status of this menu is YES, final setup will be done.

6. SR+



SR+ function \rightarrow ON, RS232C function \rightarrow OFF

7. UART SELECT



This function can be selected when the SR+ function is OFF.

Option No. Display		Operation / Control	RS-232C
1 (Initial setting)		To Set to SR+ (9600bps)	SR+ is ON
2	1200	To Set to RS-232C (1200bps)	SR+ is OFF
3	2400	To Set to RS-232C (2400bps)	SR+ is OFF
4	4800	To Set to RS-232C (4800bps)	SR+ is OFF
5	9600	To Set to RS-232C (9600bps)	SR+ is OFF
6	19200	To Set to RS-232C (19200bps)	SR+ is OFF
7	38400	To Set to RS-232C (38400bps)	SR+ is OFF

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6.5 LIST OF RS-232C COMMANDS (MEDIA RECEIVER)

RS-232C commands can be used in Service Factory mode. Before using RS-232C commands, it is necessary to change the factory presetting. See " 6.2 USING RS-232C COMANDS".
Refer to the service manual of the PDP506P/406P for the panel command.

[Note : If you want to see version information (ex. QS1, QS6, Factory, Menu), Please see 10 seconds after starting.]

Command	Operation	Remarks
В		
BSL	Adjust side mask B	
С		
CNG	Clearing MR NG information	
CHR	Clearing MR Hour meter	
D		
DW*	Decreasing the adjustment value by*	*:1-9, 0(0 means 10),F(making the adjustment value the minimum)
F		
FAN	Turning Service Factory mode off.	
FAY	Turning Service Factory mode on.	
FST	Final Set Up	
G		
GSL	Adjust side mask side mask G	
I		
INA	Selection of tuner for terrestrial analog signals.	PDP-R06XE only
INC***	Selection of tuner for terrestrial digital signals	PDP-R06XE only
INH	Selection of SD card/PCMCIA card	PDP-R06XE only
INPS01	Input selection: input 1	
INPS02	Input selection: input 2	
INPS03	Input selection: input 3	
INPS04	Input selection: input 4	
INPS05	Input selection: input 5	
INPS06	Input selection: input 6	PDP-R06XE only
0		
OSDS00	Turning the On-Screen Display off	Prohibit On-Screen Display.
OSDS01	Turning the On-Screen Display on	Permit On-Screen Display.
Р		
POF	Turning the power off.	
PON	Turning the power on.	
Q		
QS1	Obtaining the version data for each device.	
QS6	Obtaining the any version.	
QMT	Obtaining the MR temperature information.	
QNG	Obtaining NG data of the MR.	
R		
RSL	Adjust side mask side mask R	
U		
UP*	Increasing the adjustment value by *	*:1-9, 0(0 means 10),F(making the adjustment value the maximum)
Z		
ZME	Initializing of the EEPROM video data	

PDP-R06XE

6.6 OUTLINE OF COMMANDS

QS1: Returning information on the module and the version of the software.

Order	Part	Data Content	Size	Remarks
0	-	Received Command Name on MR	3 byte	'QS1' only
1		Display Information 1	1 byte	
2		Display Information 2	1 byte	
3		Display Information 3	1 byte	
4		Display Information 4	1 byte	
5		Display Information 5	1 byte	
6		Boot Version of Module microcomputer.	3 byte	
7	MDU	Program Version of Module microcomputer.	8 byte	
8		Boot Version of ASTRA-MANTA	3 byte	
9		Program Version of ASTRA-MANTA	8 byte	
10		Sequence Version (43VIDEO)	4 byte	
11		Sequence Version (43PC)	4 byte	
12		Sequence Version (50VIDEO)	4 byte	
13		Sequence Version (50PC)	4 byte	
14		, (comma)	1 byte	
15		MR Infomation 1	1 byte	
16		MR Infomation 2	1 byte	
17		MR Infomation 3	1 byte	
18		MR Infomation 4	1 byte	
19	MD	Version of IF microcomputer	4 byte	
20	MR	Version of Main microcomputer	8 byte	
21		Boot Version of Main microcomputer	4 byte	
22		Program Version of CARRERA-MANTA	8 byte	
23		Boot Version of CARRERA-MANTA	4 byte	
24		GUI Version of CARRERA-MANTA	8 byte	
25		Enhanced Version of CARRERA-MANTA	8 byte	
26		PIC Version of CARRERA-MANTA	8 byte	

QS6: Returning information of the Flash Device.

Order	Data Content	Size	Remarks
0	Received Command Name on MR	3 byte	'QS6' only
1	Version of DTB (PDP-R06XE only)	4 byte	
2	Version of PC Card (PDP-R06XE only)	8 byte	
3	Version of Text	60 byte	
4	User Passward	4 byte	

QMT: Returning information of MR temperature and FAN speed.

Order	Data Content	Size	Remark
1	Received Command Name on MR	3 byte	'QMT' only
2	MR Temperature	3 byte	
3	MR FAN Speed	1 byte	0: STOP 1: MIN 2: MAX

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PDP-R06XE

QNG: Returning data (logs keep on Main microcomputer) on shutdown of Media Receiver.

Order	Data	Size	Context
0	Received Command Name on MR	3 byte	'QNG' only
1	Latest NG data	1 byte	
2	Data of subcategory for the latest NG	1 byte	
3	Data of MR hour meter for the latest NG	7 byte	
4	Data of temperature for the latest NG	3 byte	
5	2nd latest NG data	1 byte	
6	Data of subcategory for the 2nd latest NG	1 byte	
7	Data of MR hour meter for the 2nd latest NG	7 byte	
8	Data of temperature for the 2nd latest NG	3 byte	
:	:	:	
29	7th latest NG data	1 byte	
30	Data of subcategory for the 8th latest NG	1 byte	
31	Data of MR hour meter for the 8th latest NG	7 byte	
32	Data of temperature for the 8th latest NG	3 byte	

Details on the NG data and subcategory

Data	Cause of Shutdown	Remarks
0	Normal	
1	Failure of communication to Module microcomputer	
2	3-wire Serial Communication of Main microcomputer.	Subcategory ⇒ 1
3	IIC Communication failure of Main microcomputer	Subcategory ⇒ 2
4	Communication failure of Main microcomputer &Unknown Error	
5	Fan stopped	
6	Abnormally high temperature at MR.	
7	Failure of Digital Tuner	Subcategory ⇒ 3
8	Abnormally in RST2 of MR(power decrease of DC-DC converter)	
9	Failure at Home Gallary	Subcategory \Rightarrow 4

• Data on Subcategories for failure in 3-wire serial communication of Main microcomputer (subcategory 1)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Communication failure of IF microcomputer	Power OFF
2	MANTA communication failure(MULIT1)	Power OFF
3	MANTA communication failure(MULIT2)	Reserved
4	MANTA communication failure(I/P)	
5	MANTA communication failure(D-SEL)	

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PDP-R06XE

• Data on Subcategories for failure in IIC communication of Main microcomputer (subcategory 2)

Data	Cause of Shutdown	Data	Cause of Shutdown
0	Non subcategory	Α	AD/PLL
1	Analog Tuner 1(Front End 1)	В	НДМІ
2	Analog Tuner 2(Front End 2)	С	TMDS Tx
3	MPX	D	TMDS Rx
4	AV Switch	E	M2 Communication
5	RGB Switch	F	M2 Busy
6	CCD	G	64k EEPROM
7	GCR		
8	Main VDEC		
9	Sub VDEC		

• Data on Subcategories for failure in the DTB communication of Main microcomputer (subcategory 3)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure to DTB Starting	
2	Communication failure to DTB	

• Data on Subcategories for failure in the Home Gallery communicaion of Main microcomputer (subcategory 4)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure of PC Card Communication	
2	Failure of PC Card	
3	PC Card Reset NG	

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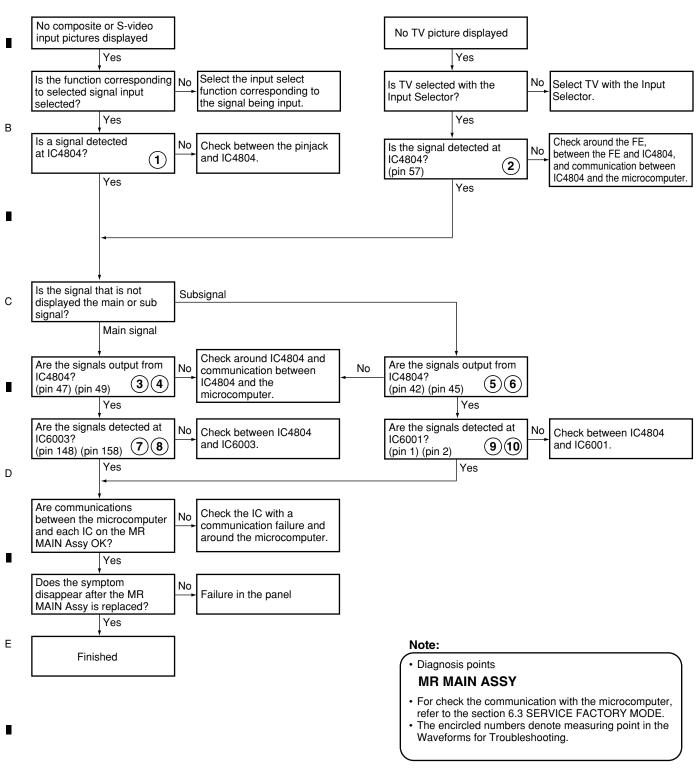
Е

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 TROUBLESHOOTING

No composite or S-video input pictures displayed

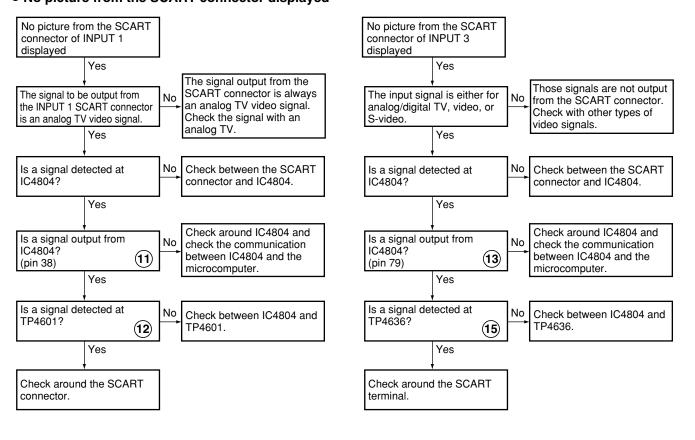


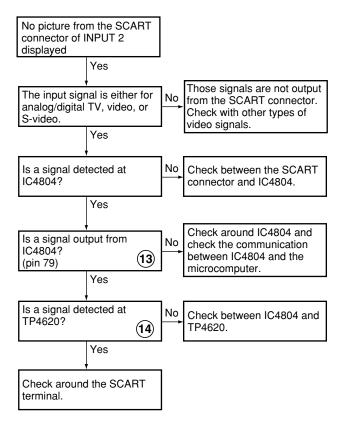
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PDP-R06XE

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No picture from the SCART connector displayed





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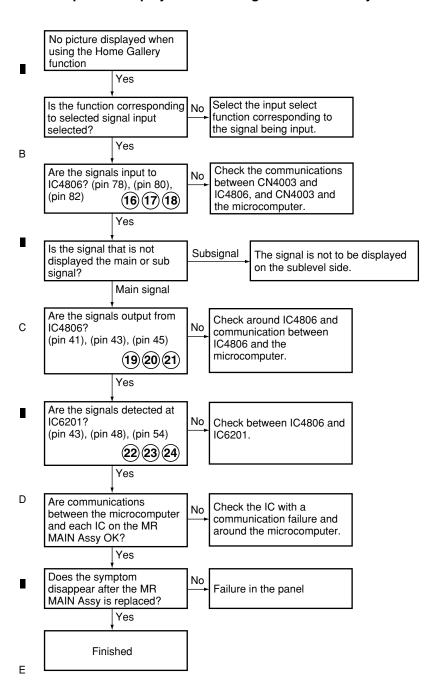
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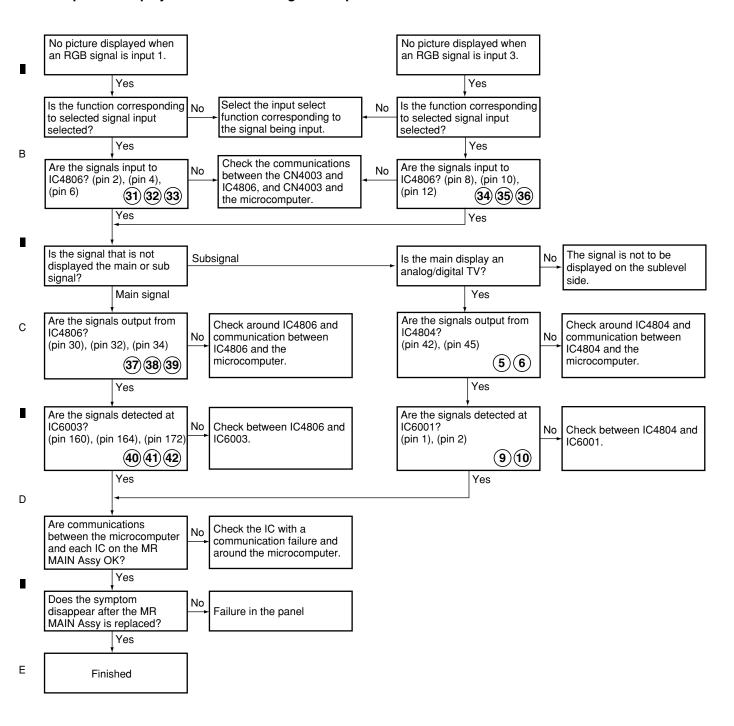
1 2 3 4

• No picture displayed when using the Home Gallery function



8

• No picture displayed when an RGB signal is input



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PDP-R06XE

1 2 3 4

correctly and check the

sound again.

5

connected between CN4001

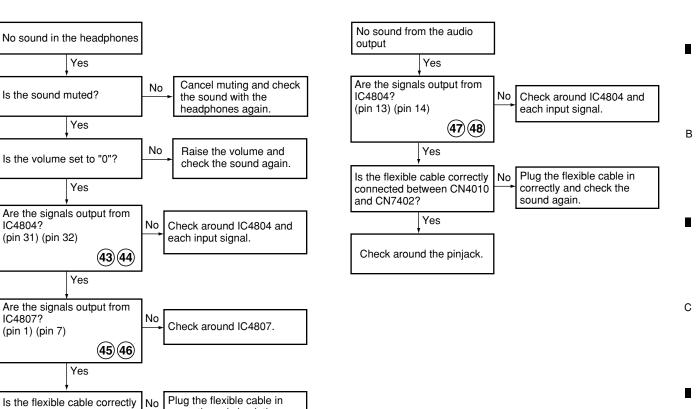
Check around the phono

Yes

5

and CN7804?

jack.



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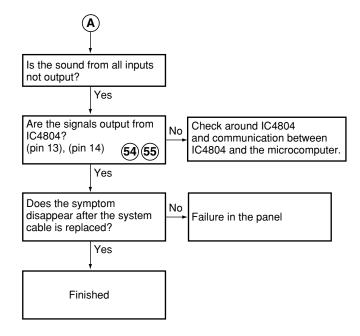
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PDP-R06XE

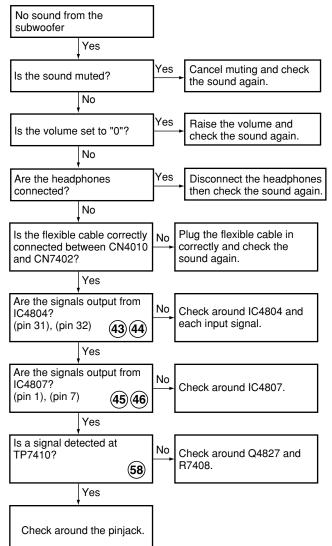
3 No sound from the speakers (1/2) No sound from the speakers Yes Cancel muting and check Is the sound muted? the sound with the headphones again. No Raise the volume and Is the volume set to "0"? check the sound again. No Disconnect the headphones Are the headphones and check the sound from connected? the speakers again. No Is only the sound from No Is only the sound of TV not the front input connector output? not output? Yes Yes Is a signal input to IC4401? Check around FE (U4401) Is the flexible cable correctly Plug the flexible cable in No No and communication between connected between CN4001 correctly and check the **(49)** FE and the microcomputer. and CN7804? sound again. Yes Yes Are the signals output from Check the communications No IC4401? between the FE and IC4401 (pin 30), (pin 31) (50) (51) and around IC4401. Is only the sound from the No HDMI connector not output? Yes Yes Are the signals input to No Check between IC4401 and IC4804? Are the signals output from IC4804. (pin 19), (pin 20) (52)(53)IC6405? (pin 7), (pin 8) (56) (57) Yes Yes Are the signals output from Check around IC4804 Check around IC6405 No IC4804? and communication between and communication between (pin 13), (pin 14) (54)(55) IC4804 and the microcomputer. IC6405 and the microcomputer. Yes Does the symptom No disappear after the system Failure in the panel cable is replaced? Is only the sound from the No Yes SCART input connector not output? Yes Finished Check between SCART connector and IC4804. 64 PDP-R06XE

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В



No sound from the subwoofer



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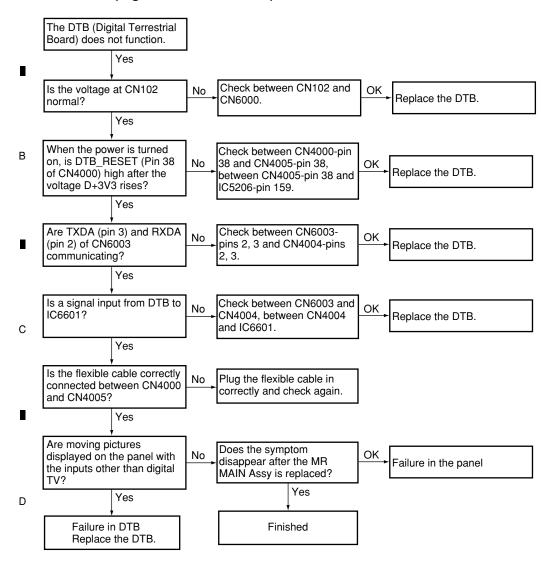
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■ 2 ■ 3 ■ 4

• The DTB (Digital Terrestrial Board) does not function



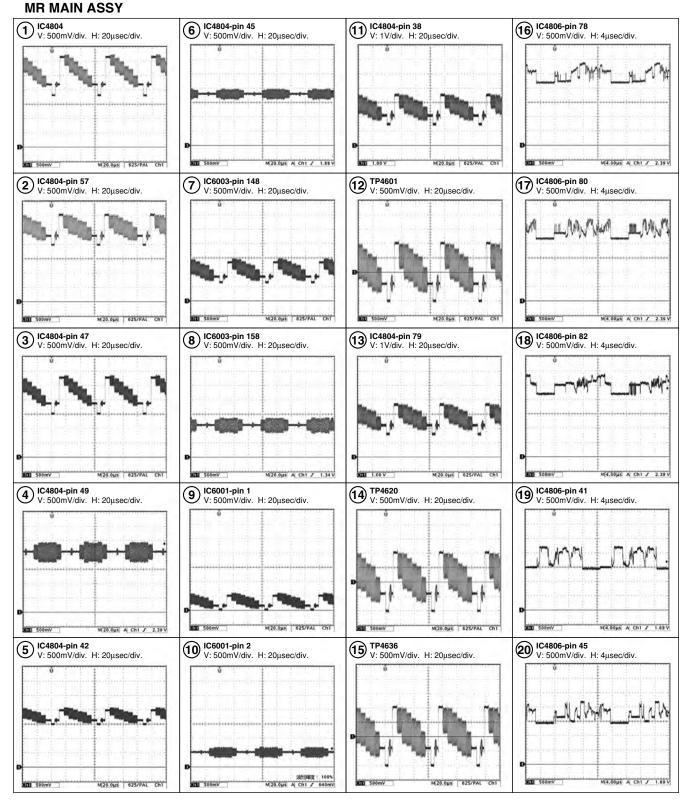
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PDP-R06XE
1 ■ 2 ■ 3 ■ 4

Waveforms for Troubleshooting



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8

В

С

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F

PDP-R06XE

-

1 2 3 4

Α

В

С

D

Ε

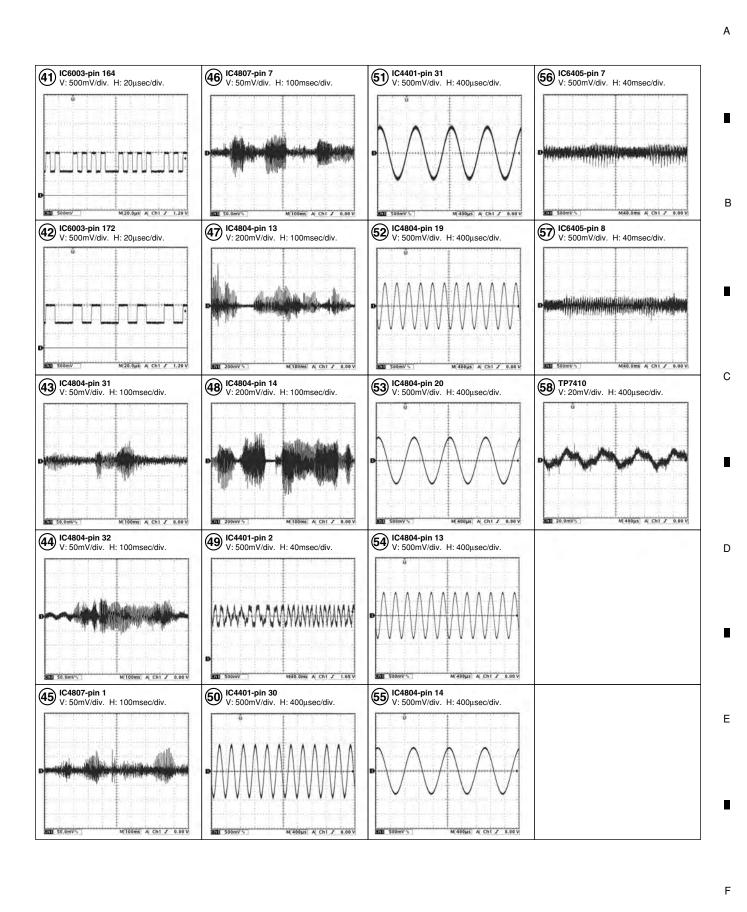
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21) IC4806-pin 45 V: 500mV/div. H: 4μsec/div. **26** IC4806-pin 96 V: 500mV/div. H: 10μsec/div. **31) IC4806-pin 2** V: 500mV/div. H: 20μsec/div. **36** IC4806-pin 12 V: 500mV/div. H: 20μsec/div. M(4.00µs) A Ch1 J 1.69 V M(10.0μs A Ch1 5 2.77 V M(20.0µs) A| Ch1 ✓ 2.56 V M(20.0µs) A Ch1 ✓ 2.56 V **(22)** IC6201-pin 43 V: 500mV/div. H: 4μsec/div. **27** IC4806-pin 98 V: 500mV/div. H: 10μsec/div. **32** IC4806-pin 4 V: 500mV/div. H: 20μsec/div. **37** IC4806-pin 30 V: 500mV/div. H: 20μsec/div. M(20.0µs) A Ch1 ✓ 2.56 V M(10.0µs) A Ch1 J 2.77 V M[20.0µs] A| Ch1 J 1.75 V M4.00µs A Ch1 5 260m **23** IC6201-pin 48 V: 500mV/div. H: 4μsec/div. **28** IC4806-pin 64 V: 500mV/div. H: 10μsec/div. **33** IC4806-pin 6 V: 500mV/div. H: 20μsec/div. **38** IC4806-pin 32 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 / 260n M[10.0µs] A| Ch1 ♪ 2.56 V M[20.0µs] A| Ch1 F 2.56 V M(20.0µs) A Ch1 ✓ 1.75 V **24** IC6201-pin 54 V: 500mV/div. H: 4μsec/div. **29** IC4806-pin 66 V: 500mV/div. H: 10μsec/div. **34** IC4806-pin 8 V: 500mV/div. H: 20μsec/div. **39** IC4806-pin 34 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 ≠ 260mV M 10.0µs A Ch1 5 2.56 V M(20.0µs) A Ch1 & 2.56 V M(20.0µs) A| Ch1 ♪ 1.75 V **25** IC4806-pin 94 V: 500mV/div. H: 10μsec/div. **30** IC4806-pin 68 V: 500mV/div. H: 10μsec/div. **35** IC4806-pin 10 V: 500mV/div. H: 20μsec/div. **40** IC6003-pin 160 V: 500mV/div. H: 20μsec/div. M 10.0µs A Ch1 ✓ 2.56 V M 20.0µs A Ch1 ✓ 2.56 V

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7.1.2 DISASSEMBLY

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

For PDP-R06XE Model

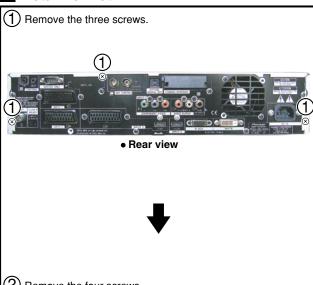
1 Metal Bonnet

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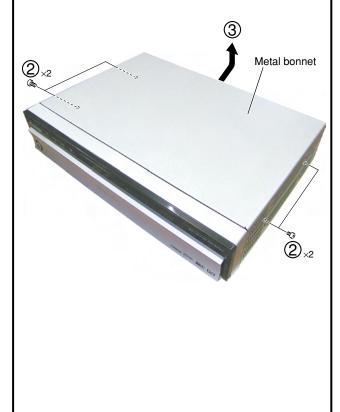
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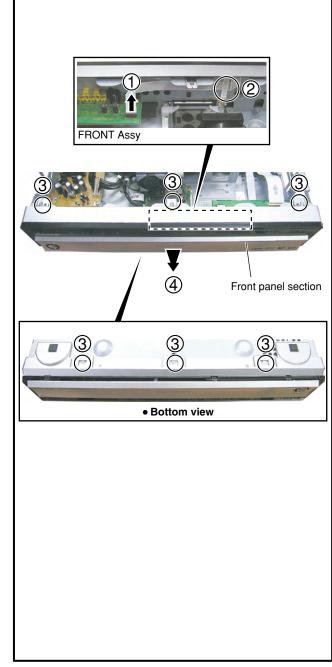


- (2) Remove the four screws.
- $\widehat{\mathbf{3}}$ Remove the metal bonnet while pulling it backward.



2 Front Panel Section

- 1 Disconnect the flexible cable.
- (2) Remove the flexible cable from the flat clamp.
- 3 Unhook the six hooks.
- 4 Remove the front panel section.



PDP-R06XE

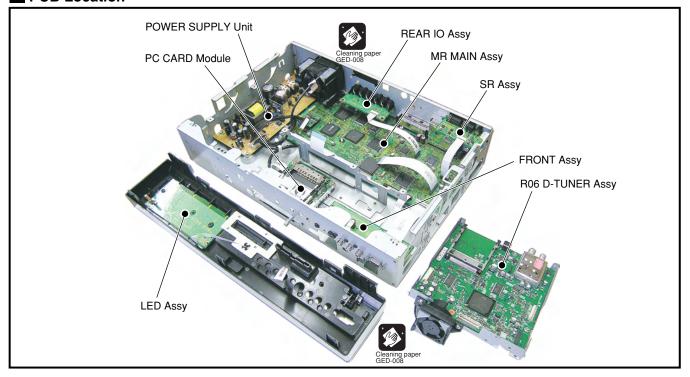
3 R06 D-TUNER Assy

Note: R06 D-TUNER Assy can remove even if does not remove the front panel section.

② Disconnect the two connectors.
③ Disconnect the two flexible cables.
④ Remove the two screws.
⑤ Remove the R06 D-TUNER Assy.

PCB Location

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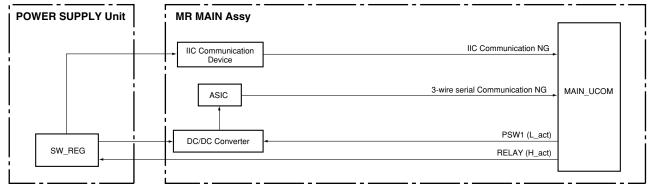
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7.2 EXPLANATION 7.2.1 PROCESSING IN ABNORMALITY

Power supply and DC-DC converter

Circuit diagram

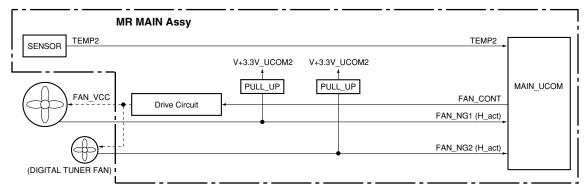


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Fan and temperature sensor

Circuit diagram

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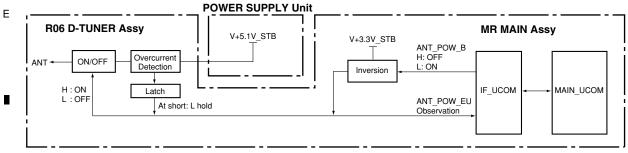


Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
FAN_NG 1	FAN	155	Shutdown with H
FAN_NG 2	FAN	104	Shutdown with H
TEMP2	Abnormally high temperature in the MR	76	Shutdown when the value exceeds the predetermined value

Power supply for DTB Antenna

Circuit diagram



Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
ANT_POW_EU	DTB antenna short-circuit	IF_37	Warning with L

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* In this case, the red and green areas on the screen of the panel flash alternately.

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■ LED-lighting patterns

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No. of LEDs on t	times of	No. of times of LED flashing Ds on the panel LEDs on the IV	LEDs on the panel LEDs on the MR	Category	Site detected as	Possible defective points (representative examples)	OSD when detected
RED	Blue	RED	Blue	*	derective		(warning message)
	Blue 1	Red			Panel drive IC	*2	None
	Blue 2	Red			Module section IIC	Z*	None
	Blue 3	Red					None
	Blue 4	Red			Panel having abnormally high temperature	*5	Powering off. Internal temperatures is too high. Chheck temperatures around PDP. (SD04) *6
	Blue 5	Red			Short-circuiting of the speakers	₹.	Internal protection circuit turns off. Is there a short in speaker cable? (SD05).
Red			Blue 6		Module microcomputer	Disconnection of the system cable Desconnection of the spring the panel (Refer to the service manual of the PDP-436PE or Defective model microcomputer or its peripheral circuits of the panel (Refer to the service manual of the PDP-436PE or Defective main microcomputer (IC5206) Palue in communication (TXD_MD, RXD_MD, REQ_MD) between the panel's module microcomputer and IC5206 (main microcomputer)	None
Red			Blue 7		3-wire serial connection of the main section	Defective IC5002 or its peripheral circuits Fallure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, BUSY_IF) between IC5002 and IC5207 (main microcomputer) Defective IC7001 or its peripheral circuits Fallure in communication (TXD_IC3, RXD_IC3, CLK_IC3, CE_IC3, REQ_IC3, BUSY_IC3) between IC7001 and IC5206 (main microcomputer)	None
Be d			Blue 8	S	IIC of the main section	Defective U4401 (FEI) or its peripheral circuits Defective UA401 (FEI) or its peripheral circuits Defective UA401 (MPX) or its peripheral circuits Defective (LA401 (MPX) or its peripheral circuits Defective (LA406 (ROB_SW) or its peripheral circuits Defective (LA906 (ROB_SW) or its peripheral circuits Defective (LOX00 (ROB_SW) or its peripheral circuits Defective (DX00 (ROB_SW) or its peripheral circuits) Defective (DX00 (ROB_SW) or its peripheral circuits)	None
Red			Blue 9		Main microcomputer	Defective IC5206 (main microcomputer) Defective flexible cable for communication between the MR MAIN BOARD Assy and the AV BOARD Assy Failure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, REQ_IF, BUSY_IF) between IC5206 (main microcomputer) and IC5002	None
Red			Blue 10		Fan	Failure in the fan motor, or the fan stopped because of dust attached to the fan	None
Red			Blue 11		MR or unit having abnormally high temperature	The Media Receiver or the unit being used at high temperature	Powering off. Internal temperature is too high. Check temperature around media receiver. (SD11)
Red			Blue 12		Digital tuner	Defective DTV tuner *5	None
Red			Blue 13		ASIC power supply (DC-DC)	Defective U4201 (DD_CON) or short-circuiting elsewhere *6	None
Red 2		Red			Œ	\\ \tag{4}	None
Red 3		Bed.				Z*	None
Red 4		Red			SCN-5V Y-DRV	*2 *1: Shutdown (SD) is a protective operation controlled by the	None None
Red 6		Red			Y-DCDC		None
Red 7		Red		8			None
Red 8		Red				*2 the circuitry and can be reset after AC power is off for about 1 minute.	None
Red 9		Red			X-DCDC	*2 *2: Herer to the service manual of the PDF-430PE of PDF-506PE. *2 *3: Only for US model.	None None
Red 11		Red			X-SUS		None
Red 13		Red				 	None
Red 15		Red			UNKNOWN	*2	None

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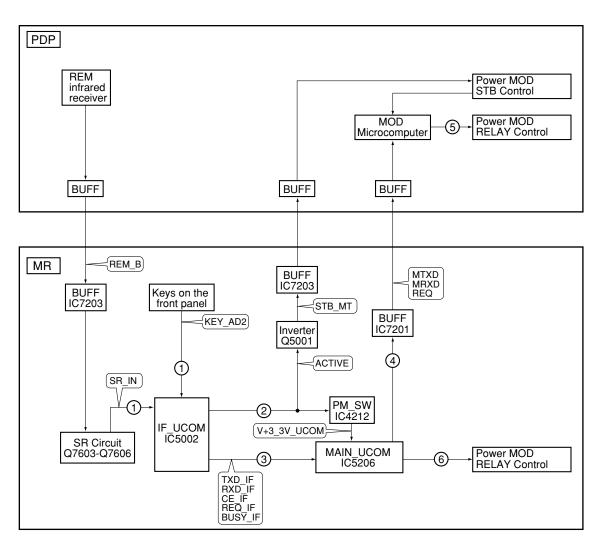
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Descriptions in a call-out are signal names for reference.
For wiring numbers on the PDP side, refer to the service manual for the PDP.

- ①: The signal from the remote control unit (or a key signal) is input to the IF microcomputer.
- ②: The IF microcomputer supplies the power to the main microcomputer and MOD microcomputer.
- ③: The IF microcomputer transmits operation data from the remote control unit (or keys) to the main microcomputer.
- ④: The main microcomputer issues a startup command to the MOD microcomputer.
- ⑤: The MOD microcomputer controls the relay of the PDP Power MOD and starts the power-on sequence of the PDP.
- 6 : The main microcomputer controls the relay of the MR Power MOD and starts the power-on sequence of the MR.

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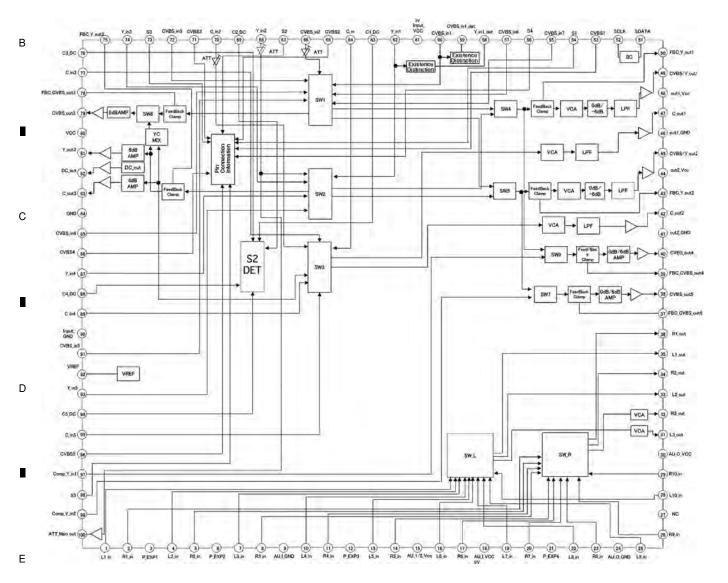
A • The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

List of IC

R2S11002AFT, R2S11001FT, K4S641632H-TC75, S29AL016D70TFI010, UPD64015AGM-UEU, TVP5150AM1PBS, K4S161622H-TC60, AD9985KSTZ-110, SII9021CTU, K4S643232H-TC60, S29JL032H70TFI21, SII170BCLG64, AXF1149, AXY1117

■ R2S11002AFT (MR MAIN ASSY: IC4804)

- AV SW
- Block Diagram



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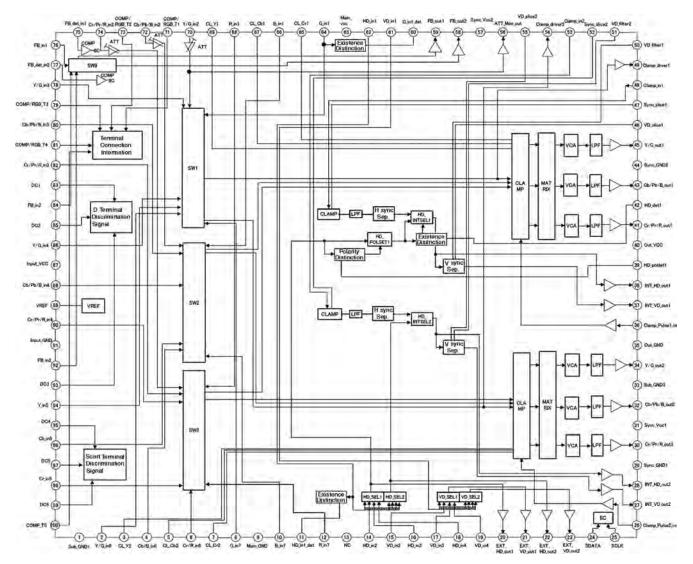
PDP-R06XE

■ R2S11001FT (MR MAIN ASSY: IC4806)

• Component SW IC

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Block Diagram



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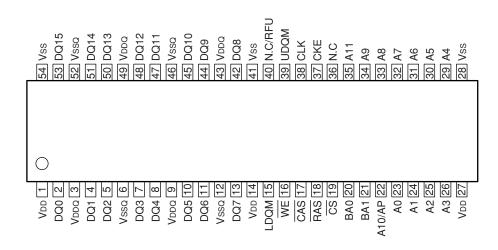
PDP-R06XE

■ K4S641632H-TC75 (MR MAIN ASSY : IC5403)

• 64M SDRAM

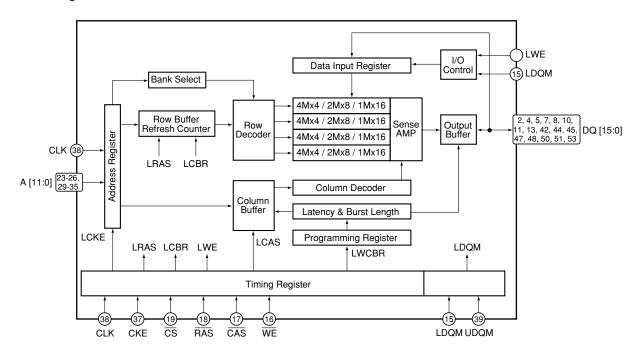
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Pin Arrangement (Top view)



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Block Diagram



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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function	
1	VDD	_	Power supply	28	Vss	1	Ground	
2	DQ0	I/O	Data input/output	29	A4	_	Address input	
3	VDDQ	-	Power supply for data output	30	A5	_	Address input	
4	DQ1	I/O	Data input/output	31	A6	_	Address input	
5	DQ2	I/O	Data input/output	32	A7	- 1	Address input	
6	Vssq	-	Ground for data output	33	A8	- 1	Address input	
7	DQ3	I/O	Data input/output	34	A9	- 1	Address input	
8	DQ4	I/O	Data input/output	35	A11	_	Address input	
9	VDDQ	_	Power supply for data output	36	N.C	1	No connection	
10	DQ5	I/O	Data input/output	37	CKE	- 1	Clock enable input	
11	DQ6	I/O	Data input/output	38	CLK	- 1	System clock input	
12	Vssq	_	Ground for data output	39	UDQM	- 1	Data input/output mask	
13	DQ7	I/O	Data input/output	40	N.C/RFU	1	No connection (Reserved for future use)	
14	VDD	-	Power supply	41	Vss	-	Ground	
15	LDQM	1	Data input/output mask	42	DQ8	I/O	Data input/output	
16	WE	1	Write enable input	43	VDDQ	-	Power supply for data output	
17	CAS	1	Column address strobe input	44	DQ9	I/O	Data input/output	
18	RAS	- 1	Row address strobe input	45	DQ10	I/O	Data input/output	
19	CS	1	Chip select input	46	Vssq	-	Ground for data output	
20	BA0	1	Bank select address input	47	DQ11	I/O	Data input/output	
21	BA1	- 1	Bank select address input	48	DQ12	I/O	Data input/output	
22	A10/AP	1	Address input	49	VDDQ	-	Power supply for data output	
23	A0	- 1	Address input	50	DQ13	I/O	Data input/output	
24	A1	1	Address input	51	DQ14	I/O	Data input/output	
25	A2	1	Address input	52	Vssq	_	Ground for data output	
26	A3	1	Address input	53	DQ15	I/O	Data input/output	
27	VDD	_	Power supply	54	Vss	_	Ground	

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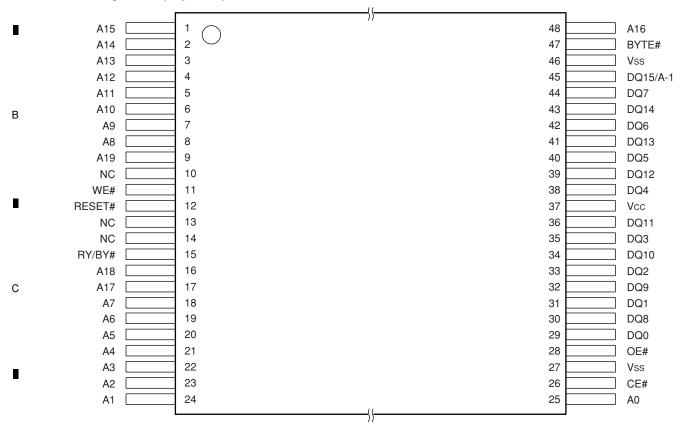
■ S29AL016D70TFI010 (MR MAIN ASSY : IC5404)

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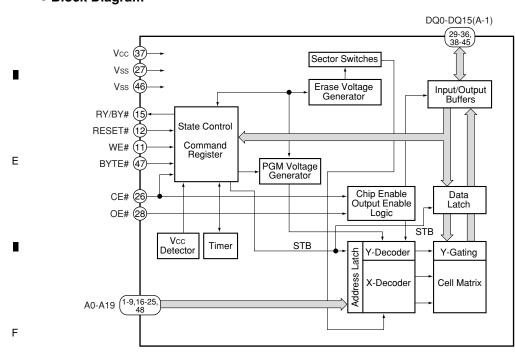
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• 16M Flash Memory

Pin Arrangement (Top view)



Block Diagram



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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function	
1	A15	ı	Address input	25	A0	I	Address input	
2	A14	ı	Address input	26	CE#	I	Chip enable	
3	A13	ı	Address input	27	Vss	-	Device ground	
4	A12	ı	Address input	28	OE#	I	Output enable	
5	A11	ı	Address input	29	DQ0	I/O	Data input/output	
6	A10	ı	Address input	30	DQ8	I/O	Data input/output	
7	A9	I	Address input	31	DQ1	I/O	Data input/output	
8	A8	ı	Address input	32	DQ9	I/O	Data input/output	
9	A19	ı	Address input	33	DQ2	I/O	Data input/output	
10	NC	_	No connection	34	DQ10	I/O	Data input/output	
11	WE#	ı	Write enable	35	DQ3	I/O	Data input/output	
12	RESET#	ı	Hardware reset	36	DQ11	I/O	Data input/output	
13	NC	_	No connection	37	Vcc	_	3V single power supply	
14	NC	_	No connection	38	DQ4	I/O	Data input/output	
15	RY/BY#	0	Ready/Busy output	39	DQ12	I/O	Data input/output	
16	A18	ı	Address input	40	DQ5	I/O	Data input/output	
17	A17	ı	Address input	41	DQ13	I/O	Data input/output	
18	A7	ı	Address input	42	DQ6	I/O	Data input/output	
19	A6	ı	Address input	43	DQ14	I/O	Data input/output	
20	A5	ı	Address input	44	DQ7	I/O	Data input/output	
21	A4	1	Address input	45	DQ15/A-1	I/O	DQ15: Data input/output, word mode A-1: LSB address input, byte mode	
22	A3	I	Address input	46	Vss	_	Device ground	
23	A2	ı	Address input	47	BYTE#	1	Selects 8-bit or 16-bit mode	
24	A1		Address input	48	A16	I	Address input	

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■ UPD64015AGM-UEU (MR MAIN ASSY : IC6003)

Video Decoder (for main screen)

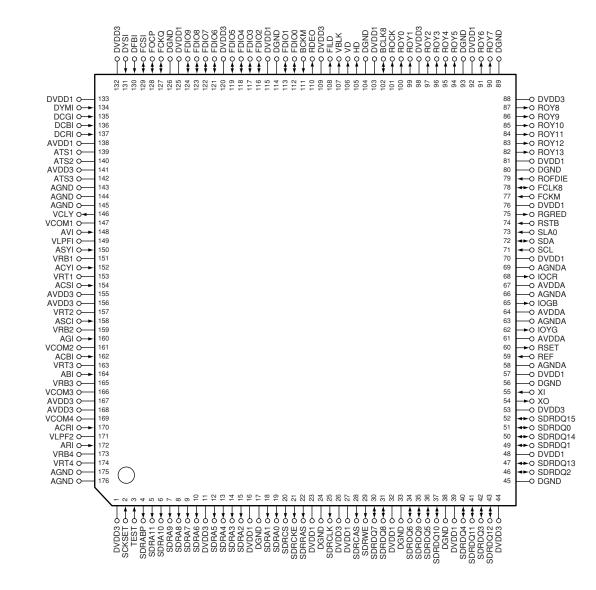
Pin Arrangement (Top view)

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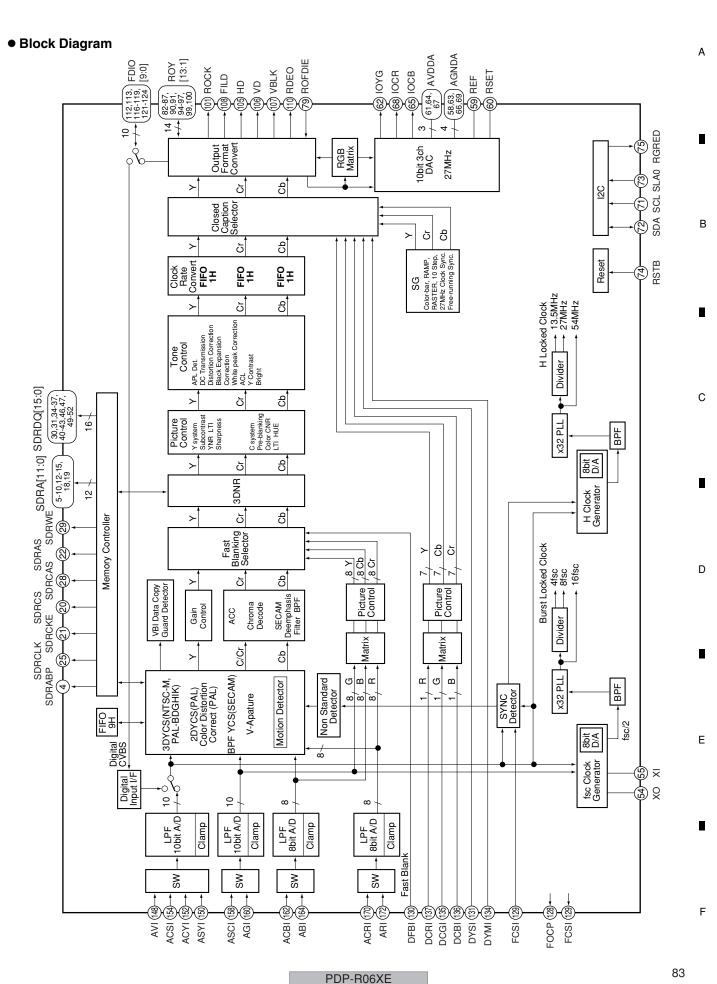
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• Pin Function

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No.	Pin Name	I/O	Pin Function
1	DVDD3	_	Digital power supply (3.3V)
2	SCKSET	ı	Test mode selection (L: Normal, H: Test mode)
3	TEST	ı	Test setting (L: Normal, H: Test mode)
4	SDRABP	0	All bank precharge output for external memory (Active High)
5	SDRA11	0	Address output for external memory
6	SDRA10	0	Address output for external memory
7	SDRA9	0	Address output for external memory
8	SDRA8	0	Address output for external memory
9	SDRA7	0	Address output for external memory
10	SDRA6	0	Address output for external memory
11	DVDD3	-	Digital power supply (3.3V)
12	SDRA5	0	Address output for external memory
13	SDRA4	0	Address output for external memory
14	SDRA3	0	Address output for external memory
15	SDRA2	0	Address output for external memory
16	DVDD1	_	Digital power supply (1.5V)
17	DGND	_	Digital ground
18	SDRA1	0	Address output for external memory
19	SDRA0	0	Address output for external memory
20	SDRCS	0	Chip select output for external memory (Active Low)
21	SDRCKE	0	Clock enable output for external memory (Active Low)
22	SDRRAS	0	
23	DVDD1	_	Row address strobe output for external memory (Active Low)
H-	DGND		Digital power supply (1.5V)
24		_	Digital ground Clask output for outpred moment
25 26	SDRCLK DVDD3	0	Clock output for external memory
27	DVDD3		Digital power supply (3.3V) Digital power supply (1.5V)
28	SDRCAS	0	Column address strobe output for external memory (Active Low)
29	SDRWE	0	Write enable output for external memory (Active Low)
30	SDRWL SDRDQ7	1/0	Data input/output for external memory
31	SDRDQ7 SDRDQ8	1/0	Data input/output for external memory
32	DVDD1	-	Digital power supply (1.5V)
33	DGND	_	Digital ground
34	SDRDQ6	1/0	
35	SDRDQ6	1/0	Data input/output for external memory Data input/output for external memory
36	SDRDQ9	1/0	Data input/output for external memory
37	SDRDQ3	1/0	Data input/output for external memory
38	DGND		Digital ground
39	DVDD1	_	Digital power supply (1.5V)
40	SDRDQ4	I/O	Data input/output for external memory
41	SDRDQ4 SDRDQ11	1/0	Data input/output for external memory Data input/output for external memory
42	SDRDQ11 SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory
43	SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory
44	DVDD3		Digital power supply (3.3V)
45	DGND	_	Digital ground
46	SDRDQ2	I/O	Data input/output for external memory
46	SDRDQ2 SDRDQ13	1/0	Data input/output for external memory Data input/output for external memory
48	DVDD1	1/0	Digital power supply (1.5V)
49	SDRDQ1	I/O	Data input/output for external memory
50	SDRDQ1	1/0	Data input/output for external memory
30	JUNUQ14	1/0	Data input/output for external memory

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No.			
_	Pin Name	I/O	Pin Function
	SDRDQ0	I/O	Data input/output for external memory
	SDRDQ15	I/O	Data input/output for external memory
	DVDD3	-	Digital power supply (3.3V)
	XO	0	Reference clock output Connect a 24.576MHz crystal.
	XI	I	Reference clock input Connect a 24.576MHz crystal.
	DGND	_	Digital ground
	DVDD1	_	Digital power supply (1.5V)
	AGNDA	_	Analog ground for DAC
	REF	I	External reference input
60	RSET	0	Connect a 620 ohm resistor for external adjustment to AGND
	AVDDA	-	Analog power supply for DAC (3.3V)
62	IOYG	0	Color-difference component Y / RGB component G output signal
63	AGNDA	-	Analog ground for DAC
64	AVDDA	-	Analog power supply for DAC (3.3V)
65	IOGB	0	Color-difference component Cb / RGB component B output signal
66	AGNDA	-	Analog ground for DAC
67	AVDDA	_	Analog power supply for DAC (3.3V)
68	IOCR	0	Color-difference component Cr / RGB component R output signal
69	AGNDA	_	Analog ground for DAC
70	DVDD1	_	Digital power supply (1.5V)
71	SCL	ı	I ² C bus clock input Connect to SCL line of the system.
72	SDA	I/O	I ² C bus data input/output Connect to SDA line of the system.
73	SLA0	ı	I ² C bus slave address select input (L: B8h/B9h, H: BAh/BBh)
74	RSTB	ı	System reset input (Active Low)
75	RGRED	0	I ² C register read flag output (Active Low)
76	DVDD1	-	Digital power supply (1.5V)
77	FCKM	1	FCLK8 test mode selection (L: Normal, H: Test mode)
78	FCLK8	I/O	Line-lock clock monitor input/output
79	ROFDIE	1	Output enable of the video input/output terminal L: Output terminal Hi-Z, H: Output enable
80	DGND	_	Digital ground
81	DVDD1	_	Digital power supply (1.5V)
82	ROY13	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
83	ROY12	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
84	ROY11	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
85	ROY10	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
86	ROY9	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
87	ROY8	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
88	DVDD3	-	Digital power supply (3.3V)
89	DGND	-	Digital ground
90	ROY7	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
91	ROY6	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
92	DVDD1	_	Digital power supply (1.5V)
93	DGND	-	Digital ground
94	ROY5	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
95	ROY4	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
96	ROY3	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
97	ROY2	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
98	DVDD3	_	Digital power supply (3.3V)
99	ROY1	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
100	ROY0	0	Digital ITU-R BT. 656/component output

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No.	Pin Name	I/O	Pin Function
101	ROCK	0	Clock for digital ITU-R BT. 656/component output
102	BCLK8	I/O	Line-lock clock monitor input/output
103	DVDD1	_	Digital power supply (1.5V)
104	DGND	_	Digital ground
105	HD	0	Horizontal sync. signal output
106	VD	0	Vertical sync. signal output
107	VBLK	0	V blanking output
108	FILD	0	Field output
109	DVDD3	_	Digital power supply (3.3V)
110	RDEO	0	Effective pixel area output
111	BCKM	I	Test mode selection of BCLK8 pin (L: Normal, H: Test mode)
112	FDIO0	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
113	FDIO1	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
\vdash	DGND	_	Digital ground
—	DVDD1	<u> </u>	Digital power supply (1.5V)
	FDIO2	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO3	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
—	FDIO4	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO5	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	DVDD3	-	Digital power supply (3.3V)
<u> </u>	FDIO6	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
-	FDIO7	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
-	FDIO8	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO9	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
—	DVDD1	-	Digital power supply (1.5V)
—	DGND	_	Digital ground
127	FCKQ	I/O	Sampling clock output for digital connection
128	FOCP	1/0	Clamp pulse output for digital connection / Timing output for digital RGB input (VD)
129	FCSI	1/0	Sync sep. signal input / Timing output for RGB input (HD)
130	DFBI	1,70	Fast blanking signal input for analog RGB input
131	DYSI	† <u>;</u>	YS signal input for digital RGB input
—	DVDD3	+ -	Digital power supply (3.3V)
-	DVDD1	 	Digital power supply (1.5V)
_	DYMI	1	YM signal input for digital RGB input
135	DCGI	+ †	Digital RGB/G signal input
136	DCBI	+ -	Digital RGB/B signal input
	DCRI	+ -	Digital RGB/R signal input
_	AVDD1	+ -	Analog power supply (1.5V)
	ATS1	 	Analog test input Normally, connect to GND.
140	ATS2	 	Analog test input Normally, connect to GND.
141	AVDD3	+-	Analog power supply (3.3V)
—	ATS3	 	Analog test input Normally, connect to GND.
	AGND	+-	Analog ground
	AGND	+	Analog ground
	AGND	+-	Analog ground
146	VCLY	0	ADC1 clamp voltage
147	VCOM1	 -	ADC1 common-mode reference voltage
—	AVI	1	ADC1 composite/Y signal input
149	VLPFI	+ -	Analog test output Connect to GND via 0.1µF capacitor.
	ASYI	1	ADC1 composite/Y signal input
_ 130	/.011	1 '	Price i compositor i signati input

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Na	Pin Name	1/0	Pin Function
No.		I/O	1 2 2
151	VRB1	 -	ADC1 bottom reference voltage
152	ACYI		ADC1 composite/Y signal input
153	VRT1		ADC1 top reference voltage
154	ACSI	I	ADC1 composite/Y signal input
155	AVDD3		Analog power supply for ADC (3.3V)
156	AVDD3	_	Analog power supply for ADC (3.3V)
157	VRT2	_	ADC2 top reference voltage
158	ASCI	1	ADC2 separate C signal input
159	VRB2	_	ADC2 bottom reference voltage
160	AGI	1	ADC2 RGB component G signal input
161	VCOM2	_	ADC2 common-mode reference voltage
162	ACBI	I	ADC3 color-difference component Cb signal input
163	VRT3	_	ADC3 top reference voltage
164	ABI	1	ADC3 RGB component B signal input
165	VRB3	_	ADC3 bottom reference voltage
166	VCOM3	_	ADC3 common-mode reference voltage
167	AVDD3	_	Analog power supply for ADC (3.3V)
168	AVDD3	_	Analog power supply for ADC (3.3V)
169	VCOM4	-	ADC4 common-mode reference voltage
170	ACRI	1	ADC4 color-difference component Cr signal input
171	VLPF2	_	Analog test output
172	ARI	- 1	ADC3 RGB component R signal input
173	VRB4	_	ADC4 bottom reference voltage
174	VRT4	_	ADC4 top reference voltage
175	AGND	_	Analog ground
176	AGND	-	Analog ground

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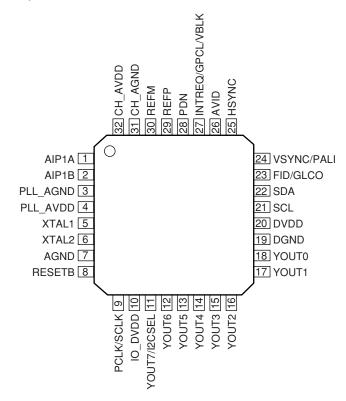
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■ TVP5150AM1PBS (MR MAIN ASSY : IC6001) (PDP-R06XE only)

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• Video Decoder (for Subscreen)

Pin Arrangement (Top view)



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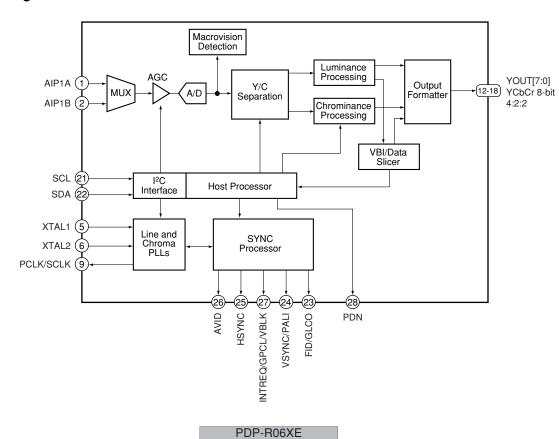
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• Pin Function

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No.	Pin Name	I/O	Pin Function
1	AIP1A	ı	Analog input
2	AIP1B	ı	Analog input
3	PLL_AGND	ı	PLL ground Connect to analog ground.
4	PLL_AVDD	I	PLL power supply (1.8V)
5	XTAL1	I	External clock reference
6	XTAL2	0	External clock reference
7	AGND	- 1	Substrate Connect to analog ground.
8	RESETB	I	Active-low reset
9	PCLK/SCLK	0	System clock at either 1x or 2x the frequency of the pixel clock
10	IO_DVDD	I	Digital power supply (3.3V)
11	YOUT(7)/I2CSEL	I/O	I2CSEL: Determines address for I ² C (sampled during reset) YOUT7: MSB of output decoded ITU-R BT.656 output/YCbCr 4:2:2 output
12	YOUT6	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
13	YOUT5	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
14	YOUT4	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
15	YOUT3	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
16	YOUT2	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
17	YOUT1	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
18	YOUT0	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
19	DGND	ı	Digital ground
20	DVDD	ı	Digital power supply (1.8V)
21	SCL	I/O	I ² C serial clock (open drain)
22	SDA	I/O	I ² C serial data (open drain)
23	FID/GLCO	0	FID: Odd/even field indicator or vertical lock indicator GLCO: This serial output carries color PLL information
24	VSYNC/PALI	0	VSYNC: Vertical synchronization signal PALI: PAL line indicator or horizontal lock indicator
25	HSYNC	0	Horizontal synchronization signal
26	AVID	0	Active video indicator
27	INTREQ/GPCL /VBLK	I/O	INTREQ: Interrupt request output GPCL: General-purpose control logic
28	PDN	ı	Power-down terminal (active low)
29	REFP	I	A/D reference supply
30	REFM	I	A/D reference ground
31	CH_AGND	I	Analog ground
32	CH_AVDD	I	Analog power supply (1.8V)

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■ K4S161622H-TC60 (MR MAIN ASSY : IC6002)

• 16M SDRAM (for Main VDEC)

• Pin Arrangement (Top view)

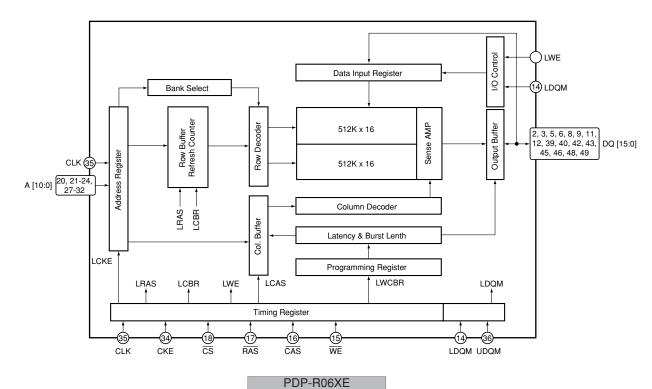
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V _{DD} □	1	50	□ Vss
DQ0 □	2	49	□ DQ15
DQ1 🗆	3	48	□ DQ14
Vssq⊏	4	47	□ Vssq
DQ2□	5	46	□ DQ13
DQ3 □	6	45	□ DQ12
	7	44	⊐ Vddq
DQ4 □	8	43	□ DQ11
DQ5 □	9	42	□ DQ10
Vssq⊏	10	41	⊐ Vssq
DQ6 ⊏	11	40	⊐ DQ9
DQ7□	12	39	⊐ DQ8
	13	38	⊐ Vddq
LDQM □	14	37	□ N.C/RFU
WE	15	36	□ UDQM
CAS□	16	35	⊐ CLK
RAS □	17	34	□ CKE
CS□	18	33	□ N.C
BA□	19	32	⊐ A 9
A10/AP	20	31	⊐ A8
A0 □	21	30	⊐ A 7
A1 🗆	22	29	⊐ A6
A2 □	23	28	⊐ A5
A3 □	24	27	⊐ A4
V _{DD} □	25	26	⊐ Vss
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Block Diagram



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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	26	Vss	_	Ground
2	DQ0	I/O	Data input / output	27	A4	- 1	Address input
3	DQ1	I/O	Data input / output	28	A5	ı	Address input
4	Vssq	_	Ground for data output	29	A6	ı	Address input
5	DQ2	I/O	Data input / output	30	A7	ı	Address input
6	DQ3	I/O	Data input / output	31	A8	- 1	Address input
7	VDDQ	_	Power supply for data output	32	A9	ı	Address input
8	DQ4	I/O	Data input / output	33	N.C	_	No connection
9	DQ5	I/O	Data input / output	34	CKE	I	Clock enable input
10	Vssq	_	Ground for data output	35	CLK	ı	System clock input
11	DQ6	I/O	Data input / output	36	UDQM	ı	Data input / output mask input
12	DQ7	I/O	Data input / output	37	N.C/RFU	_	No connection / Reserved for future use
13	VDDQ	_	Power supply for data output	38	VDDQ	_	Power supply for data output
14	LDQM	ı	Data input / output mask input	39	DQ8	I/O	Data input / output
15	WE	ı	Write enable input	40	DQ9	I/O	Data input / output
16	CAS	ı	Column address strobe input	41	Vssq	_	Ground for data output
17	RAS	ı	Row address strobe input	42	DQ10	I/O	Data input / output
18	cs	ı	Chip select input	43	DQ11	I/O	Data input / output
19	ВА	ı	Bank select address input	44	VDDQ	_	Power supply for data output
20	A10/AP	I	Address input	45	DQ12	I/O	Data input / output
21	A0	ı	Address input	46	DQ13	I/O	Data input / output
22	A1	I	Address input	47	Vssq	_	Ground for data output
23	A2	I	Address input	48	DQ14	I/O	Data input / output
24	A3	I	Address input	49	DQ15	I/O	Data input / output
25	VDD	_	Power supply	50	Vss	_	Ground

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■ AD9985KSTZ-110 (MR MAIN ASSY : IC6201)

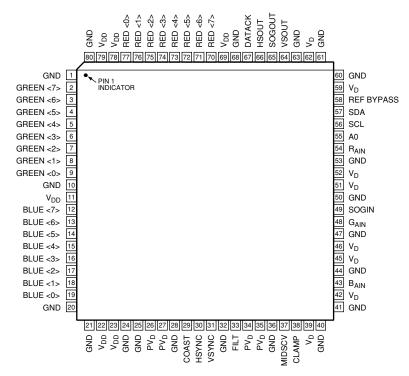
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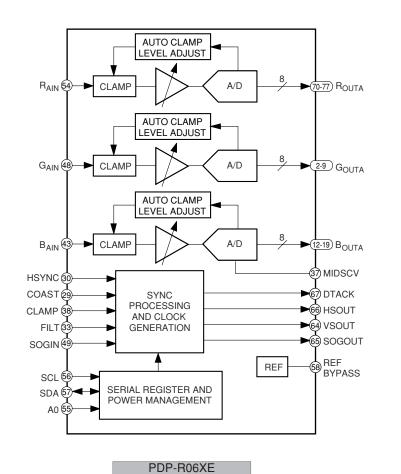
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Pin Arrangement (Top view)



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Block Diagram



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Pin Function

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Pin Type	No.	PIN Name	Pin Function
	54	Rain	Analog input for converter R
	48	GAIN	Analog input for converter G
	43	BAIN	Analog input for converter B
lana saka	30	HSYNC	Horizontal sync input
Inputs	31	VSYNC	Vertical sync input
	49	SOGIN	Input for sync-on green
	38	CLAMP	Clamp input (External CLAMP signal)
	29	COAST	PLL COAST signal input
	70-77	Red [7:0]	Outputs of converter red, bit 7 is the MSB
	2-9	Green [7 : 0]	Outputs of converter green, bit 7 is the BSB
	12-19	Blue [7:0]	Outputs of converter blue, bit 7 is the BSB
Outputs	67	DATACK	Data output clock
	66	HSOUT	HSYNC output (Phase-aligned with DATACK)
	64	VSOUT	VSYNC output (Phase-aligned with DATACK)
	65	SOGOUT	Sync-on-green slicer output
	58	REF BYPASS	Internal reference bypass
Reference	37	MIDSCV	Internal midscale voltage bypass
	33	FILT	Connection for external filter components for internal PLL
	39, 42, 45, 46, 51, 52, 59, 62	VD	Analog power supply
	11, 22, 23, 69, 78, 79	VDD	Output power supply
Power Supply	26, 27, 34, 35	PVD	PLL power supply
	1, 10, 20, 21, 24, 25, 28, 32, 36, 40, 41, 44, 47, 50, 53, 60, 61, 63 68, 80	GND	Ground
	57	SDA	Serial port data I/O
Control	56	SCL	Serial port data clock (100 kHz maximum)
	55	A0	Serial port address input 1

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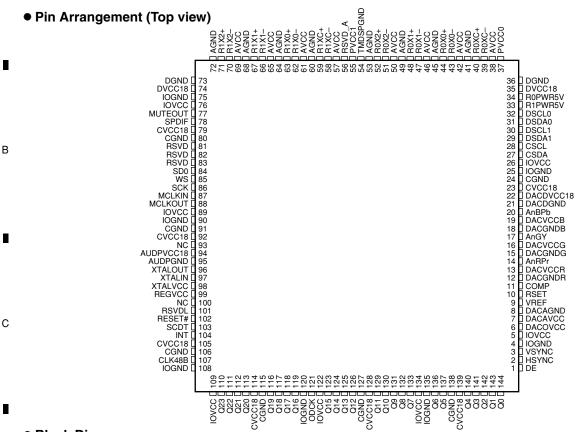
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■ SII9021CTU (MR MAIN ASSY : IC6404)

• HDMI Rx

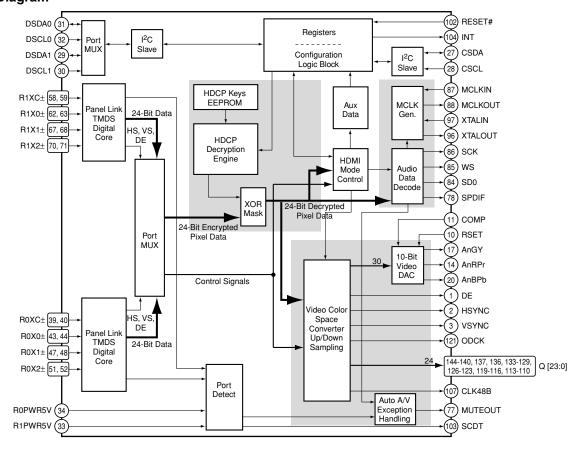
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Pin Function

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No.	Pin Name	I/O	Pin Function
1	DE	0	Data enable
2	HSYNC	0	Horizontal sync output control signal
3	VSYNC	0	Vertical sync output control signal
4	IOGND	_	Input / output pin ground
5	IOVCC	_	Input / output pin VCC
6	DACOVCC	_	DAC output VCC
7	DACAVCC		DAC analog VCC
 8	DACAGND		DAC analog ground
9	VREF		
10	RSET	$+$ $\overline{-}$	Full scale adjust resistor
11	COMP	$+$ $\overline{-}$	Compensation
12	DACGNDR		DAC red ground
			-
13	DACVCCR	-	DAC red VDD
14	AnRPr	0	Analog video red, Pr output
15	DACGNDG		DAC green ground
16	DACVCCG	-	DAC green VDD
17	AnGY	0	Analog video green, Y output
18	DACGNDB		DAC blue ground
19	DACVCCB		DAC blue VDD
20	AnBPb	0	Analog video blue, Pb output
21	DACDGND		DAC digital ground
22	DACDVCC18		DAC digital VCC
23	CVCC18		Digital logic VCC
24	CGND		Digital logic ground
25	IOGND		Input / output pin ground
26	IOVCC		Input / output pin VCC
27	CSDA	I/O	Configuration I ² C data
28	CSCL	I	Configuration I ² C clock
29	DSDA1	I/O	DDC I ² C data for port 1
30	DSCL1	I	DDC I ² C clock for port 1
31	DSDA0	I/O	DDC I ² C data for port 0
32	DSCL0	I	DDC I ² C clock for port 0
33	R1PWR5V	I	Port 1 transmitter detect
34	R0PWR5V	I	Port 0 transmitter detect
35	DVCC18		ACR PLL digital VCC
36	DGND		ACR PLL ground
37	PVCC0		TMDS port 0 PLL VCC
38	AVCC		TMDS analog VCC
39	R0XC-	I	TMDS input clock
40	R0XC+	I	TMDS input clock
41	AGND		TMDS analog ground
42	AVCC		TMDS analog VCC
43	R0X0-	I	TMDS input data
44	R0X0+	I	TMDS input data
45	AGND	_	TMDS analog ground
46	AVCC		TMDS analog VCC
47	R0X1-	I	TMDS input data
48	R0X1+	I	TMDS input data
49	AGND	_	TMDS analog ground
50	AVCC		TMDS analog VCC

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Α	No.	Pin Name	I/O	Pin Function
	51	R0X2-	1	TMDS input data
	52	R0X2+	T i	TMDS input data
	53	AGND	_	TMDS analog ground
	54	TMDSPGND	<u> </u>	TMDS PLL ground
	55	PVCC1	<u> </u>	TMDS port 1 PLL VCC
	56	RSVD_A	_	Reserved pin
	57	AVCC	_	TMDS analog VCC
	58	R1XC-		TMDS input clock
В	59	R1XC+		TMDS input clock
ь	60	AGND	+ -	TMDS analog ground
	61	AVCC	_	TMDS analog VCC
	62	R1X0-		TMDS input data
	63	R1X0+	 	TMDS input data
_	64	AGND	 	TMDS analog ground
	65	AVCC	-	TMDS analog VCC
	66	R1X1-		TMDS input data
	67	R1X1+	T i	TMDS input data
	68	AGND	+ -	TMDS analog ground
	69	AVCC	_	TMDS analog VCC
С	70	R1X2-	 	TMDS input data
	71	R1X2+		TMDS input data
	72	AGND	 	TMDS analog ground
	73	DGND	_	ACR PLL ground
	74	DVCC18	_	ACR PLL digital VCC
	75	IOGND	_	Input / output pin ground
	76	IOVCC	_	Input / output pin VCC
	77	MUTEOUT	0	Mute audio output
	78	SPDIF	0	S/PDIF audio output
	79	CVCC18		Digital logic VCC
D	80	CGND	_	Digital logic ground
	81	RSVD	0	_
	82	RSVD	0	_
	83	RSVD	0	_
	84	SD0	0	I ² S serial data output
	85	WS	0	I ² S word select output
	86	SCK	0	I ² S serial clock output
	87	MCLKIN	1	Audio master clock input reference
	88	MCLKOUT	0	Audio master clock output
	89	IOVCC		Input / output pin VCC
E	90	IOGND	_	Input / output pin ground
	91	CGND	_	Digital logic ground
	92	CVCC18	_	Digital logic VCC
	93	NC	_	No connection
	94	AUDPVCC18	_	ACR PLL VCC
	95	AUDPGND		ACR PLL ground
	96	XTALOUT	0	Crystal clock output
	97	XTALIN	1	Crystal clock output Crystal clock input
	98	XTALVCC		ACR PLL crystal input VCC
	99	REGVCC		ACR PLL crystal input voc
F	100	NC	+-	No connection
	100	1		110 OSTITIONIOTI

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No.	Pin Name	I/O	Pin Function	
101	RSVDL	1	Reserved, must be tied LOW	
102	RESET#	<u> </u>	Reset pin, active LOW	
103	SCDT	0	Indicates active video at HDMI input port	
104	INT	0	Interrupt output	
105	CVCC18		Digital logic VCC	
106	CGND	_	Digital logic ground	
107	CLK48B	I/O	Data bus latch enable	
108	IOGND		Input / output pin ground	
109	IOVCC	_	Input / output pin VCC	
110	Q23	0	24-bit output pixel data bus	
111	Q22	0	24-bit output pixel data bus	
112	Q21	0	24-bit output pixel data bus	
113	Q20	0	24-bit output pixel data bus	
114	CVCC18	_	Digital logic VCC	
115	CGND	_	Digital logic ground	
116	Q19	0	24-bit output pixel data bus	
117	Q18	0	24-bit output pixel data bus	
118	Q17	0	24-bit output pixel data bus	
119	Q16	0	24-bit output pixel data bus	
120	IOGND	_	Input / output pin ground	
121	ODCK	0	Output data clock	
122	IOVCC	_	Input / output pin VCC	
123	Q15	0	24-bit output pixel data bus	
124	Q14	0	24-bit output pixel data bus	
125	Q13	0	24-bit output pixel data bus	
126	Q12	0	24-bit output pixel data bus	
127	CGND	_	Digital logic ground	
128	CVCC18	_	Digital logic VCC	
129	Q11	0	24-bit output pixel data bus	
130	Q10	0	24-bit output pixel data bus	
131	Q9	0	24-bit output pixel data bus	
132	Q8	0	24-bit output pixel data bus	
133	Q7	0	24-bit output pixel data bus	
134	IOVCC	_	Input / output pin VCC	
135	IOGND	_	Input / output pin ground	
136	Q6	0	24-bit output pixel data bus	
137	Q5	0	24-bit output pixel data bus	
138	CGND	_	Digital logic ground	
139	CVCC18	_	Digital logic VCC	
140	Q4	0	24-bit output pixel data bus	
141	Q3	0	24-bit output pixel data bus	
142	Q2	0	24-bit output pixel data bus	
143	Q1	0	24-bit output pixel data bus	
144	Q0	0	24-bit output pixel data bus	

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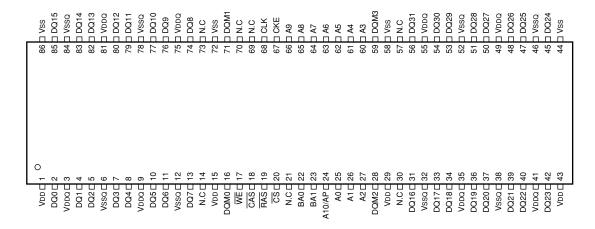
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■ K4S643232H-TC60 (MR MAIN ASSY : IC6801, IC6802)

- 64M SDRAM (for Silvia)
- Pin Arrangement (Top view)

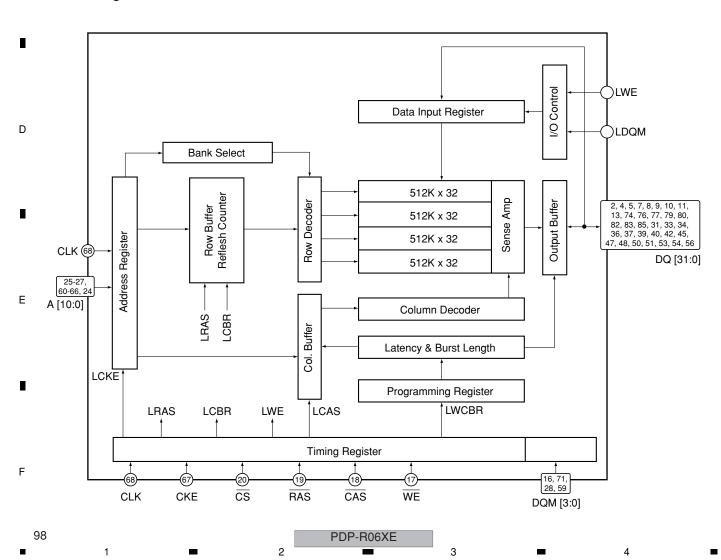


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Block Diagram

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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	44	Vss	_	Ground
2	DQ0	I/O	Data input / output	45	DQ24	I/O	Data input / output
3	VDDQ	_	Power supply for data output	46	Vssq	_	Ground for data output
4	DQ1	I/O	Data input / output	47	DQ25	I/O	Data input / output
5	DQ2	I/O	Data input / output	48	DQ26	I/O	Data input / output
6	VssQ	_	Ground for data output	49	VDDQ	_	Power supply for data output
7	DQ3	I/O	Data input / output	50	DQ27	I/O	Data input / output
8	DQ4	I/O	Data input / output	51	DQ28	I/O	Data input / output
9	VDDQ	_	Power supply for data output	52	Vssq	_	Ground for data output
10	DQ5	I/O	Data input / output	53	DQ29	I/O	Data input / output
11	DQ6	I/O	Data input / output	54	DQ30	I/O	Data input / output
12	VssQ	_	Ground for data output	55	VDDQ	_	Power supply for data output
13	DQ7	I/O	Data input / output	56	DQ31	I/O	Data input / output
14	N.C	_	No connection	57	N.C	_	No connection
15	VDD	_	Power supply	58	Vss	_	Ground
16	DQM0	ı	Data input / output mask input	59	DQM3	ı	Data input / output mask input
17	WE	ı	Write enable input	60	A3	ı	Address input
18	CAS	ı	Column address strobe input	61	A4	ı	Address input
19	RAS	ı	Row address strobe input	62	A5	ı	Address input
20	cs	ı	Chip select input	63	A6	ı	Address input
21	N.C	_	No connection	64	A7	ı	Address input
22	BA0	ı	Bank select address input	65	A8	ı	Address input
23	BA1	ı	Bank select address input	66	A9	ı	Address input
24	A10/AP	ı	Address input	67	CKE	ı	Clock enable input
25	A0	ı	Address input	68	CLK	ı	System clock input
26	A1	ı	Address input	69	N.C	_	No connection
27	A2	ı	Address input	70	N.C	_	No connection
28	DQM2	ı	Data input / output mask input	71	DQM1	ı	Data input / output mask input
29	VDD	_	Power supply	72	Vss	_	Ground
30	N.C	_	No connection	73	N.C	_	No connection
31	DQ16	I/O	Data input / output	74	DQ8	I/O	Data input / output
32	Vssq	_	Ground for data output	75	VDDQ	_	Power supply for data output
33	DQ17	I/O	Data input / output	76	DQ9	I/O	Data input / output
34	DQ18	I/O	Data input / output	77	DQ10	I/O	Data input / output
35	VDDQ	_	Power supply for data output	78	Vssq	_	Ground for data output
36	DQ19	I/O	Data input / output	79	DQ11	I/O	Data input / output
37	DQ20	I/O	Data input / output	80	DQ12	I/O	Data input / output
38	Vssq	_	Ground for data output	81	VDDQ	_	Power supply for data output
39	DQ21	I/O	Data input / output	82	DQ13	I/O	Data input / output
40	DQ22	I/O	Data input / output	83	DQ14	I/O	Data input / output
41	VDDQ	_	Power supply for data output	84	Vssq	_	Ground for data output
42	DQ23	I/O	Data input / output	85	DQ15	I/O	Data input / output
43	VDD	_	Power supply	86	Vss	_	Ground

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PDP-R06XE 7

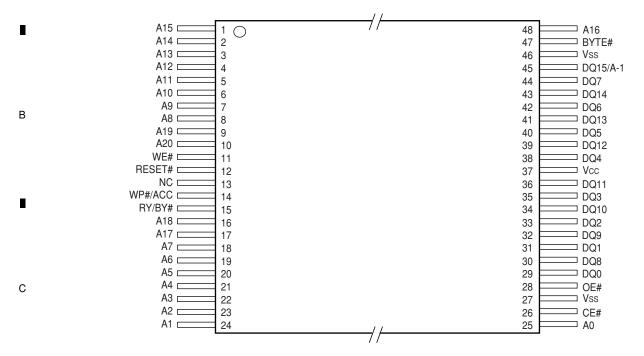
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■ S29JL032H70TFI21 (MR MAIN ASSY : IC7002)

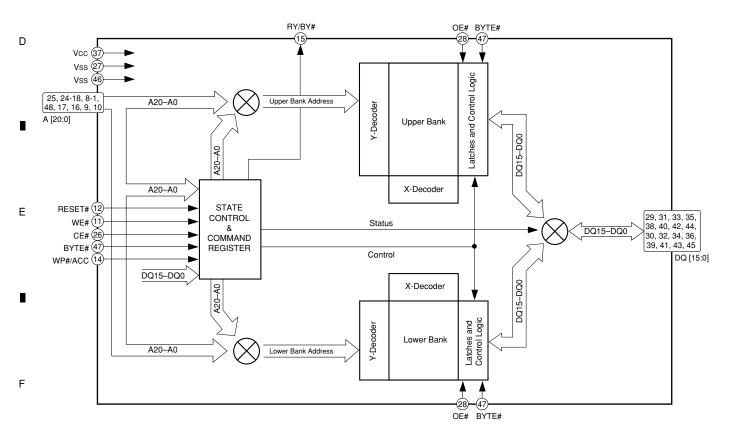
• 32M Flash for Carrera MANTA

Pin Arrangement (Top view)



3

Block Diagram



100

PDP-R06XE

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• Pin Function

5

No.	Pin Name	I/O	Pin Function
1	A15	I	Address input
2	A14	1	Address input
3	A13	1	Address input
4	A12		Address input
5	A11		Address input
6	A10		Address input
7	A9		Address input
8	A8		Address input
9	A19	T i	Address input
10	A20	<u> </u>	Address input
11	WE#	<u> </u>	Write enable input
12	RESET#	+ :	Hardware reset, active LOW
13	NC	 	No connection
14	WP#/ACC	+-	Hardware write protect / Acceleration
15	RY/BY#	0	Ready / Busy output
16	A18		Address input
17	A17	+ ;	Address input Address input
18	A7	+ ;	·
	A6	+ :	Address input
19	A5	+ :	Address input
20		+ -	Address input
21	A4	+ !	Address input
22	A3	+ !	Address input
23	A2	1 .	Address input
24	A1	1 .	Address input
25	A0	1 .	Address input
26	CE#	I I	Chip enable input
27	Vss	 -	Device ground
28	OE#	1	Output enable input
29	DQ0	I/O	Data input / output (x16-only device)
30	DQ8	I/O	Data input / output (x16-only device)
31	DQ1	I/O	Data input / output (x16-only device)
32	DQ9	I/O	Data input / output (x16-only device)
33	DQ2	I/O	Data input / output (x16-only device)
34	DQ10	I/O	Data input / output (x16-only device)
35	DQ3	I/O	Data input / output (x16-only device)
36	DQ11	I/O	Data input / output (x16-only device)
37	Vcc	_	3.0V only single power supply
38	DQ4	I/O	Data input / output (x16-only device)
39	DQ12	I/O	Data input / output (x16-only device)
40	DQ5	I/O	Data input / output (x16-only device)
41	DQ13	I/O	Data input / output (x16-only device)
42	DQ6	I/O	Data input / output (x16-only device)
43	DQ14	I/O	Data input / output (x16-only device)
44	DQ7	I/O	Data input / output (x16-only device)
45	DQ15/A-1	I/O	Data input / output (word mode) / LSB address input (byte mode)
46	Vss		Device ground
47	BYTE#	I	Selects 8-bit or 16-bit mode
48	A16	I	Address input

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PDP-R06XE 7

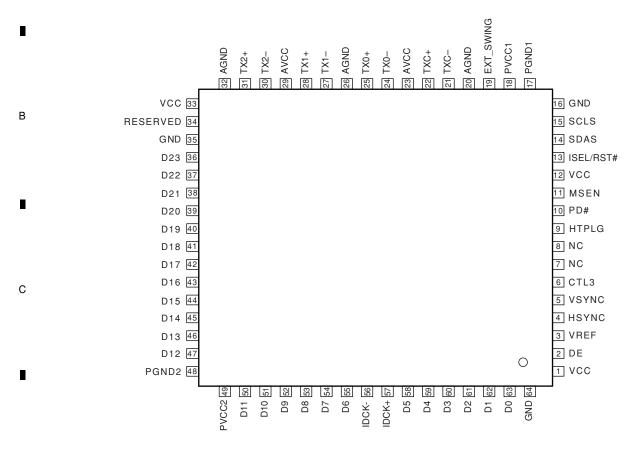
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SII170BCLG64 (MR MAIN ASSY : IC7202)

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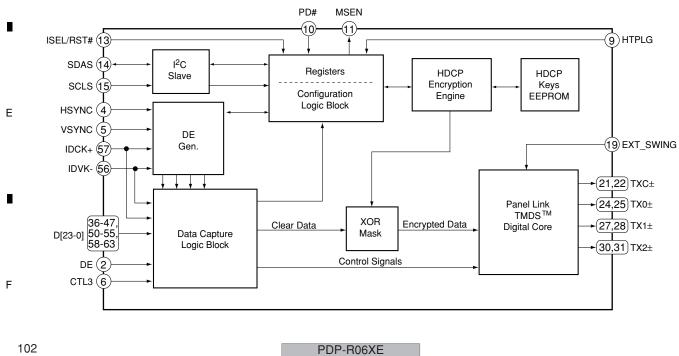
Pin Arrangement (Top view)



3

Block Diagram

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• Pin Function

5

No.	Pin Name	I/O	Pin Function
1	vcc	_	Digital power supply (3.3V)
2	DE	ı	Data enable
3	VREF	ı	3.3V fixed
4	HSYNC	I	Horizontal sync. control signal input
5	VSYNC	I	Vertical sync. control signal input
6	CTL3	I	External CTL3 input
7	NC	_	No connection
8	NC	_	No connection
9	HTPLG	ı	Monitor chrage input
10	PD#	ı	Power down input (Active low)
11	MSEN	0	Monitor sense output (open-collector output)
12	vcc	_	Digital power supply (3.3V)
13	ISEL/RST#	I	I2C interface selecting input High: I2C interface is active
14	SDAS	I/O	DDC I2C data input/output
15	SCLS	I	DDC I2C clock input
16	GND	_	Digital ground
17	PGND1	-	PLL analog ground
18	PVCC1	_	Analog power supply for PLL of primary side (3.3V)
19	EXT_SWING	I	Voltage regulation adjustment
20	AGND	_	Analog ground
21	TXC-	0	Differential signal clock output of TMDS Low voltage
22	TXC+	0	Differential signal clock output of TMDS Low voltage
23	AVCC	_	Analog power supply (3.3V)
24	TX0-	0	Differential signal clock output of TMDS Low voltage
25	TX0+	0	Differential signal clock output of TMDS Low voltage
26	AGND	_	Analog ground
27	TX1-	0	Differential signal clock output of TMDS Low voltage
28	TX1+	0	Differential signal clock output of TMDS Low voltage
29	AVCC	_	Analog power supply (3.3V)
30	TX2-	0	Differential signal clock output of TMDS Low voltage
31	TX2+	0	Differential signal clock output of TMDS Low voltage
32	AGND	-	Analog ground
33	vcc	_	Digital power supply (3.3V)
34	RESERVED	I	Reserved pin for Silicon Image Normally, fixed to low.
35	GND	_	Digital ground
36	D23	I	24-bit pixel bus input
37	D22	I	24-bit pixel bus input
38	D21	I	24-bit pixel bus input
39	D20	I	24-bit pixel bus input
40	D19	I	24-bit pixel bus input

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В

	No.	Pin Name	I/O	Pin Function			
	41	D18	1	24-bit pixel bus input			
	42	D17	1	24-bit pixel bus input			
	43	D16	1	24-bit pixel bus input			
	44	D15	1	24-bit pixel bus input			
	45	D14	I	24-bit pixel bus input			
	46	D13	1	4-bit pixel bus input			
	47	D12	1	24-bit pixel bus input			
	48	PGND2	_	PLL analog ground			
<u> </u>	49	PVCC2	_	Analog power supply for filter PLL (3.3V)			
	50	D11	1	24-bit / 12-bit pixel bus input			
	51	D10	1	24-bit / 12-bit pixel bus input			
	52	D9	1	24-bit / 12-bit pixel bus input			
	53	D8	1	24-bit / 12-bit pixel bus input			
	54	D7	1	24-bit / 12-bit pixel bus input			
	55	D6	I	24-bit / 12-bit pixel bus input			
	56	IDCK-	1	Data clock - input			
	57	IDCK+	1	Data clock + input			
	58	D5	1	24-bit / 12-bit pixel bus input			
	59	D4	1	24-bit / 12-bit pixel bus input			
	60	D3	1	24-bit / 12-bit pixel bus input			
I .	61	D2	1	24-bit / 12-bit pixel bus input			
	62	D1	I	24-bit / 12-bit pixel bus input			
	63	D0	I	24-bit / 12-bit pixel bus input			
	64	GND	_	Digital ground			

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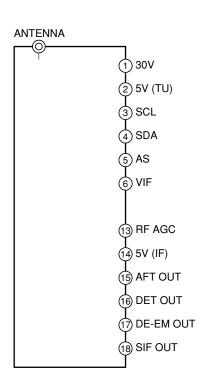
104

AXF1149 (MR MAIN ASSY : U4401)

• Front End

• Pin Arrangement

5



• Pin Function

5

No.	Pin Name	Pin Function
1	30V	Power supply for 30V
2	5V (TU)	Power supply for tuner
3	SCL	
4	SDA	Terminal for I ² C bus control
5	AS	
6	VIF	VIF output
13	RF AFG	RF AGC terminal
14	5V (IF)	Power supply for IF
15	AFT OUT	Analog AFT output
16	DET OUT	VIDEO output (Typical = 1.0Vp-p)
17	DE-EM OUT	Audio output
18	SIF OUT	SIF output

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PDP-R06XE

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1 2 3 4

■ AXY1117 (MR MAIN ASSY)

• 3 Outputs DD Control Unit

• Pin Arrangement

14 Vin Vo2 _ 2 13 Vin Vo2 В ☐ 3 GND GND 12 🗌 GND ON/OFF GND ☐ 6 11 GND 10 🗌 GND 9 Vo1 С 8 Vo3 □ 7 Vo1

Pin Function

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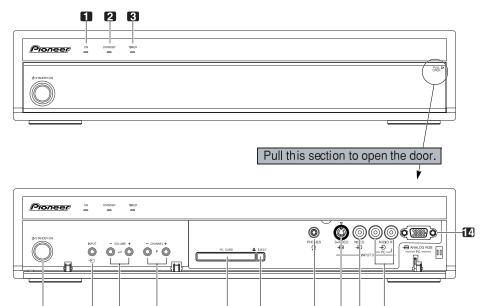
No.	Pin Name	Pin Function
1	Vin	I and
2	Vin	- Input
3	GND	Cyclind for input cide
4	GND	Ground for input side
5	ON/OFF	Output ON/OFF
6	GND	Ground for output side
7	Vo3	1.8V output
8	Vo1	3.3V output
9	Vo1	3.3V output
10	GND	
11	GND	Ground for output side
12	GND	
13	Vo2	1.2V output
14	Vo2	1.2V output

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8. PANEL FACILITIES

8.1 PDP-R06XE

■ Front view



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010 012 013

- 1 POWER ON indicator
- STANDBY indicator
- TIMER indicator
- STANDBY/ON button
- 5 **INPUT** button
- **VOLUME +/-** buttons
- 7 CHANNEL +/- buttons
- 8 PC CARD slot
- 9 PC CARD EJECT button

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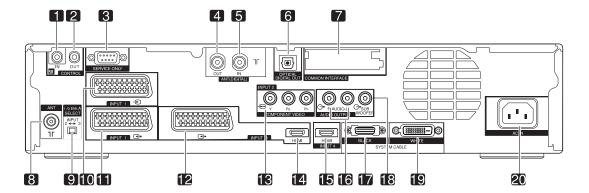
Ε

- 10 PHONES output terminal
- 11 INPUT 5 terminal (S-VIDEO)
- 12 INPUT 5 terminal (VIDEO)
- 13 INPUT 5/PC INPUT terminal (AUDIO)
- 14 PC INPUT terminal (ANALOG RGB)

■ Rear view

4

6 6 7



- 1 **CONTROL IN terminal**
- 2 CONTROL OUT terminal
- **3** RS-232C terminal (used for factory setup)
- **4** ANT OUT terminal (Antenna through out)
- **5** ANT IN terminal (Antenna in for DTV)
 - Power can be supplied through this terminal
- 6 DIGITAL OUT terminal (OPTICAL)
- 7 COMMON INTERFACE slot
 - For a CA Module with a smart card
- 8 ANT (Antenna) input terminal
- 9 i/o link.A SELECT switch

5

- 10 INPUT 1 terminal (SCART)
- 11 INPUT 2 terminal (SCART)
- 12 INPUT 3 terminal (SCART)
- 13 INPUT 2 terminal

(COMPONENT VIDEO: Y, PB, PR)

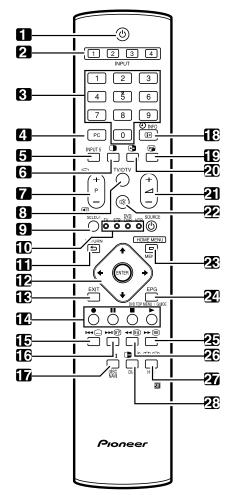
- **14** INPUT 3 terminal (HDMI)
- 15 INPUT 4 terminal (HDMI)
- 16 AUDIO OUTPUT termimals
- 17 SYSTEM CABLE terminal (BLACK)
- 18 SUB WOOFER OUTPUT terminal
- 19 SYSTEM CABLE terminal (WHITE)
- 20 AC IN terminal

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■ Remote control unit

This section describes the functions of the buttons available when the TV mode has been selected using the **SELECT** button.



1 ტ

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

3 0-9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

E 4 PC

Selects the PC terminal as an input source.

5 INPUT 5

Selects INPUT 5 as the input source of the Plasma Display.

6 1

Switches the screen mode among 2-screen, picture-inpicture, and single-screen.

7 P+/P-

TV/External input mode: Selects a channel.

TELETEXT mode: Selects a page.

8 TV/DTV

Switches between the TV and DTV input modes.

9 SELECTSwitches the selection among TV, STB, DVD/DVR, and VCR, so that you can control other equipment in connection, using the supplied remote control unit.

10 TV, STB, DVD/DVR, VCR

These indicators show the current selection and status when you control other equipment in connection using the supplied remote control unit.

11 ⊃ RETURN

Restores the previous menu screen.

12 ♠/♦/♦/→

Selects a desired item on the setting screen.

ENTER

Executes a command.

13 EXIT

Returns to the normal screen in one step.

14 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

15 \cdots

TV/External input mode: Jumps to the Teletext subtitle page. DTV input mode: Turns subtitle on and off.

16 🗊

TELETEXT mode: Displays hidden characters.

17 I-II

Sets the sound multiplex mode.

18 🕀 🕘 INFO

TV/External input mode: Displays the channel information. DTV input mode: Displays the banner information.

19 🕝

Moves the location of the small screen when in the picture-in-picture mode.

20 🖸

Switches between the two screens when in the 2-screen or picture-in-picture mode.

21 4+/4-

Sets the volume.

22 🕸

Mutes the sound.

23 HOME MENU

TV/External Input mode: Displays the Menu screen.

24 EPG

Display the Electronic Programme Guide.

25 ⊜

Selects the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

26 **(i)**

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

27 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

28

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

(¥)

TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

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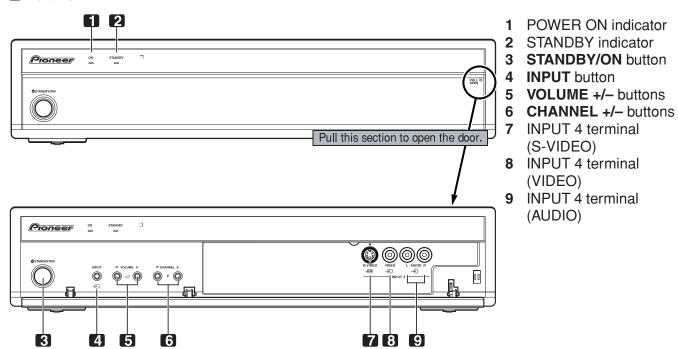
PDP-R06XE

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8.2 PDP-R06FE

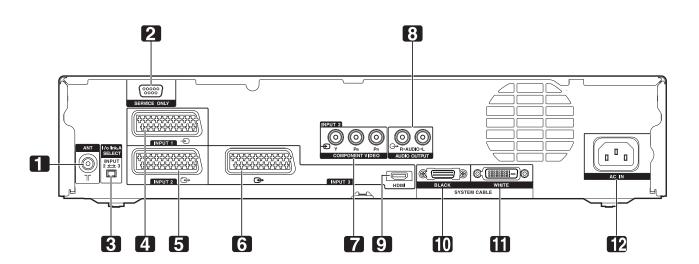
■ Front view



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■ Rear view



- 1 ANT (Antenna) input terminal
- 2 RS-232C terminal (used for factory setup)
- 3 i/o link.A SELECT switch
- 4 INPUT 1 terminal (SCART)
- 5 INPUT 2 terminal (SCART)
- 6 INPUT 3 terminal (SCART)

- 7 INPUT 2 terminals (COMPONENT VIDEO: Y, PB, PR)
- 8 AUDIO OUTPUT termimals
- 9 INPUT 3 terminal (HDMI)
- **10** SYSTEM CABLE terminal (BLACK)
- 11 SYSTEM CABLE terminal (WHITE)
- 12 AC IN terminal

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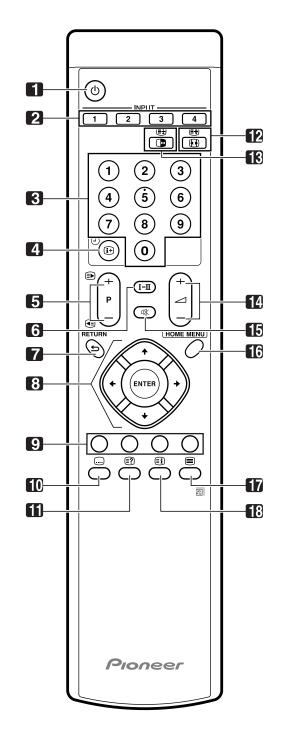
PDP-R06XE

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■ Remote control unit

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1 🖔

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

3

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

30 - 9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

4 (i+) (i

Displays the channel information.

5 P+/P-

TV/External input mode: Selects a channel.
□ (□)

TELETEXT mode: Selects a page.

6 І-П

Sets the sound multiplex mode.

7 ⊃ RETURN

Restores the previous menu screen.

8 **↑**/**↓**/**♦**/**→**

Selects a desired item on the setting screen.

ENTER

Executes a command.

9 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

10

Jumps to the Teletext subtitle page.

11 ፪?

Displays hidden characters.

12 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

13 🗅

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

€

TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

14 🛮 + /🗷 🗕

Sets the volume.

15 🕸

Mutes the sound.

16 HOME MENU

TV/External Input mode: Displays the Menu screen.

17 ■

Selects the TELETEXT mode.

(all TV image, all TEXT image, TV/TEXT image)

18 🗐

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

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5 В С D Ε 111 PDP-R06XE 5 8

2 3 4

A ■ Cleaning

• Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools	Remark
Fans	Cleaning paper : GED-008	Refer to "2.3 EXTERIOR SECTION" , "7.1.2 DISASSEMBLY SECTION".

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Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3276

MEDIA RECEIVER

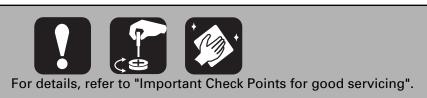
PDP-R06XE PDP-R06FE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-R06XE	WYVIXK5	AC220-240V	
PDP-R06FE	WYVI5	AC220-240V	
PDP-R06FE	WYVIXK5	AC220-240V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-R06XE, PDP-R06FE	ARP3275	EXPLODED VIEWS, BLOCK DIAGRAM etc.



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

SAFETY INFORMATION



В

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

3

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

4

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

5



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

PDP-R06XE

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CONTENTS

3. SCHEMATIC DIAGF
3.1 OVERALL WIRI
3.2 MR MAIN ASSY
3.3 MR MAIN ASSY

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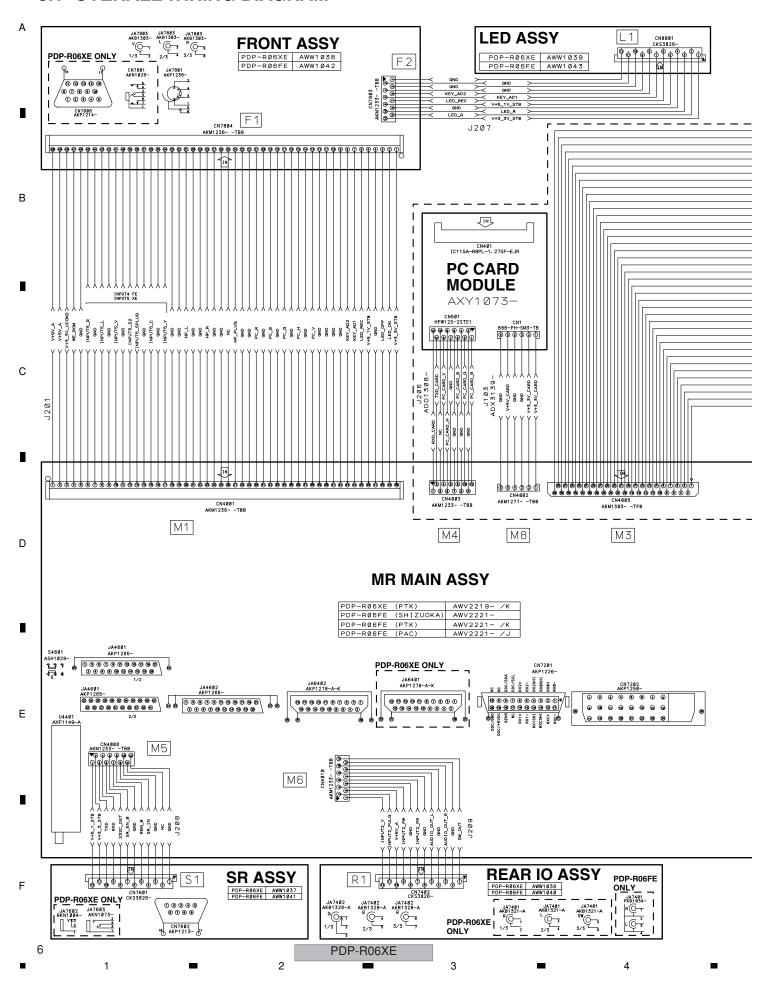
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3.3 MR MAIN ASSY (2/15)	10
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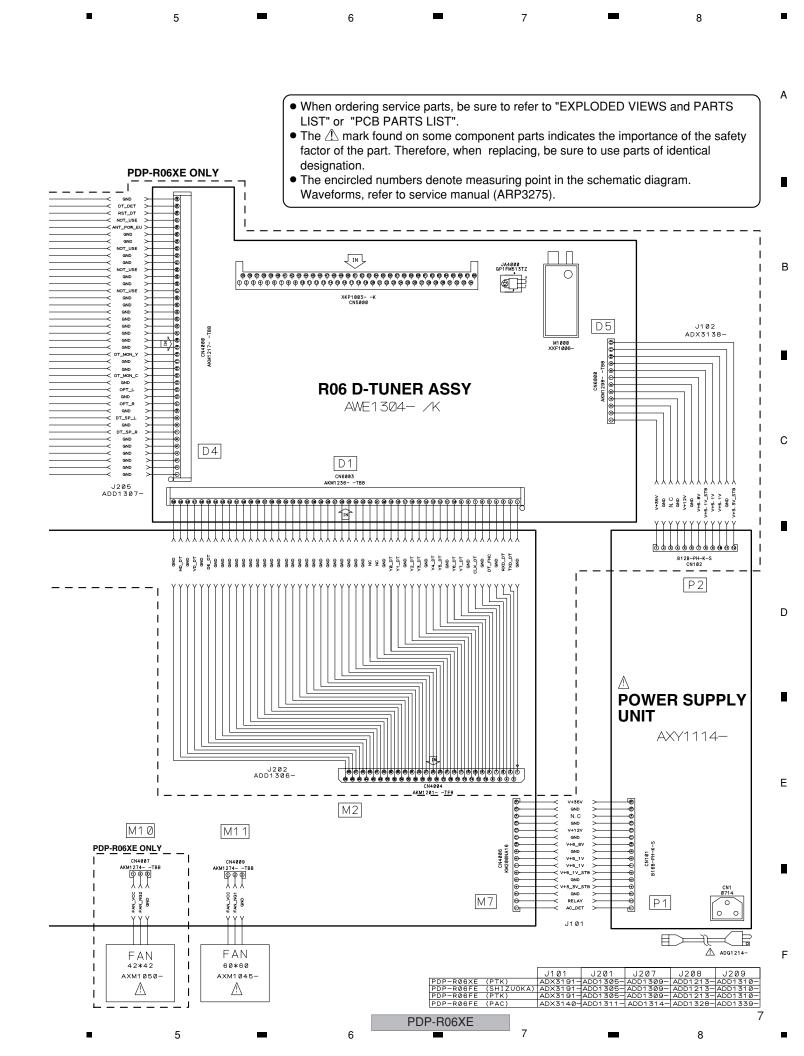
Е

5 В С D Ε 5 PDP-R06XE 5

3. SCHEMATIC DIAGRAM

3.1 OVERALL WIRING DIAGRAM



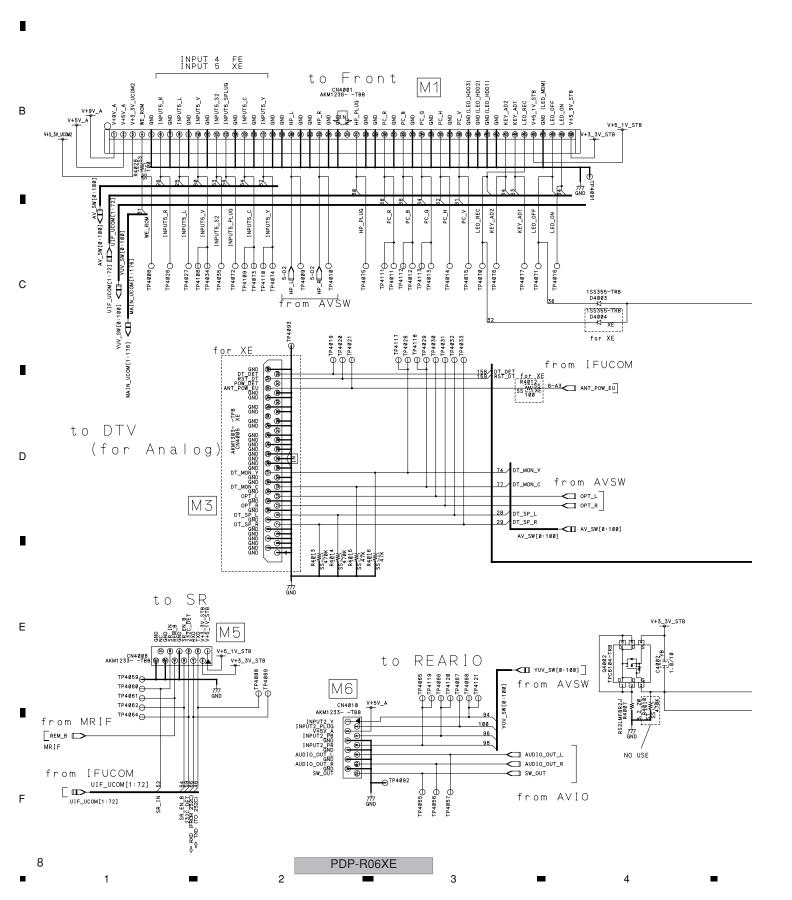


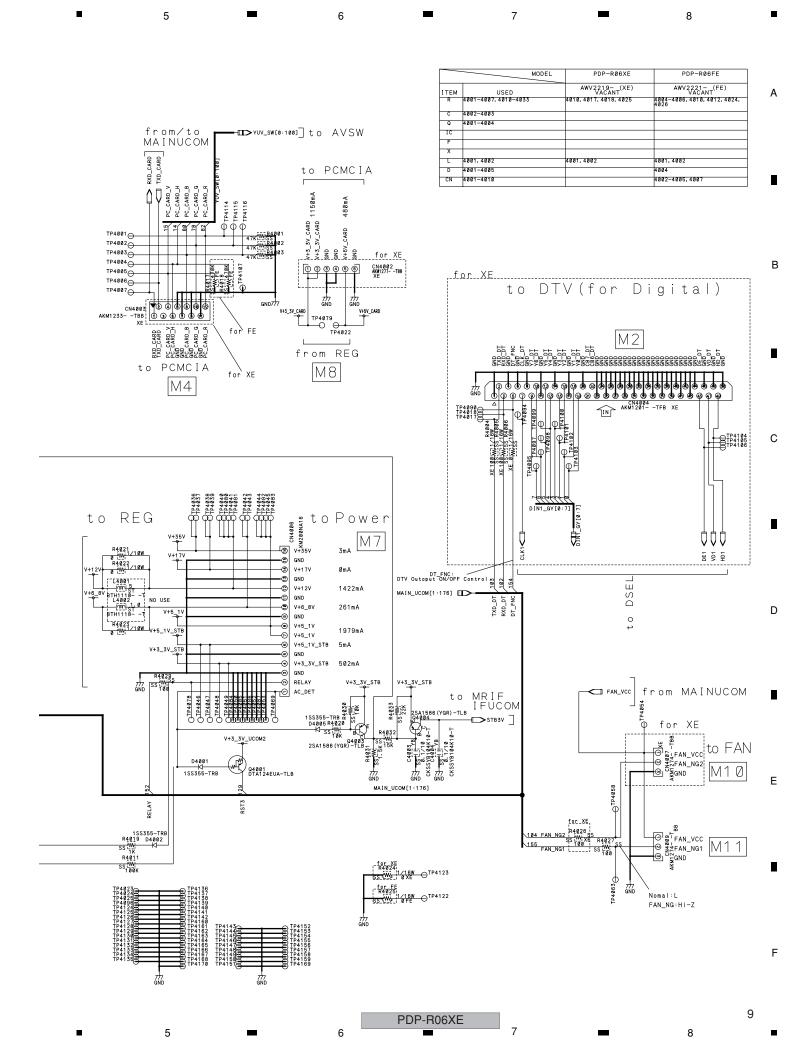
3.2 MR MAIN ASSY (1/15)

MR MAIN ASSY (1/15)

• BOARD IF BLOCK

NO_USE : STANDBY



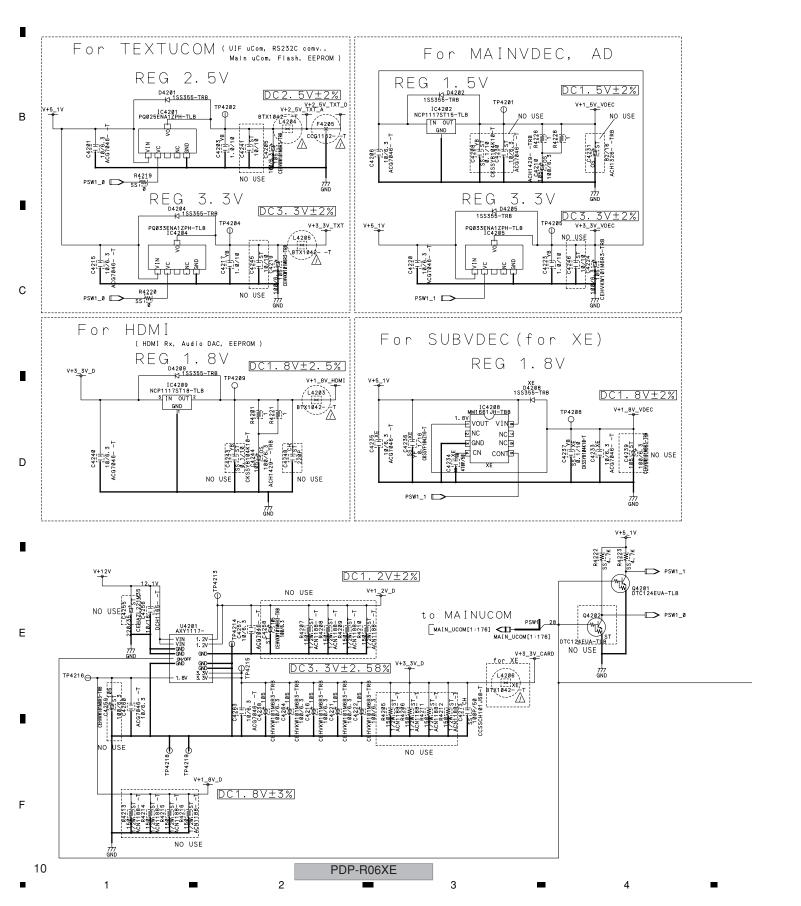


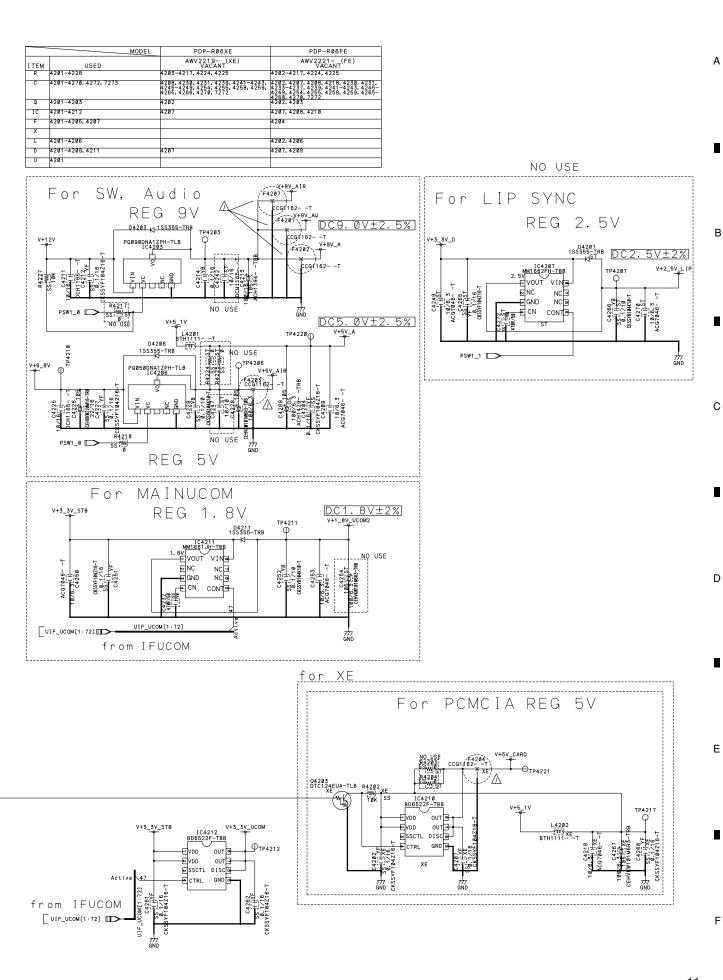
3.3 MR MAIN ASSY (2/15)

MR MAIN ASSY (2/15)

REG BLOCK

NO USE : STANDBY



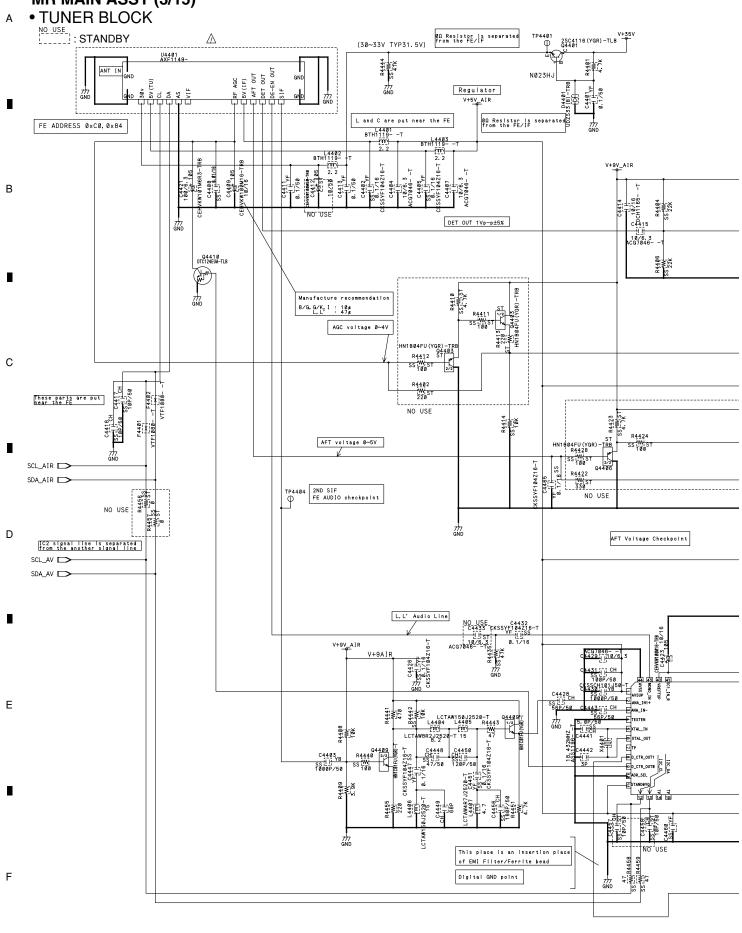


PDP-R06XE

3.4 MR MAIN ASSY (3/15)

MR MAIN ASSY (3/15)

12



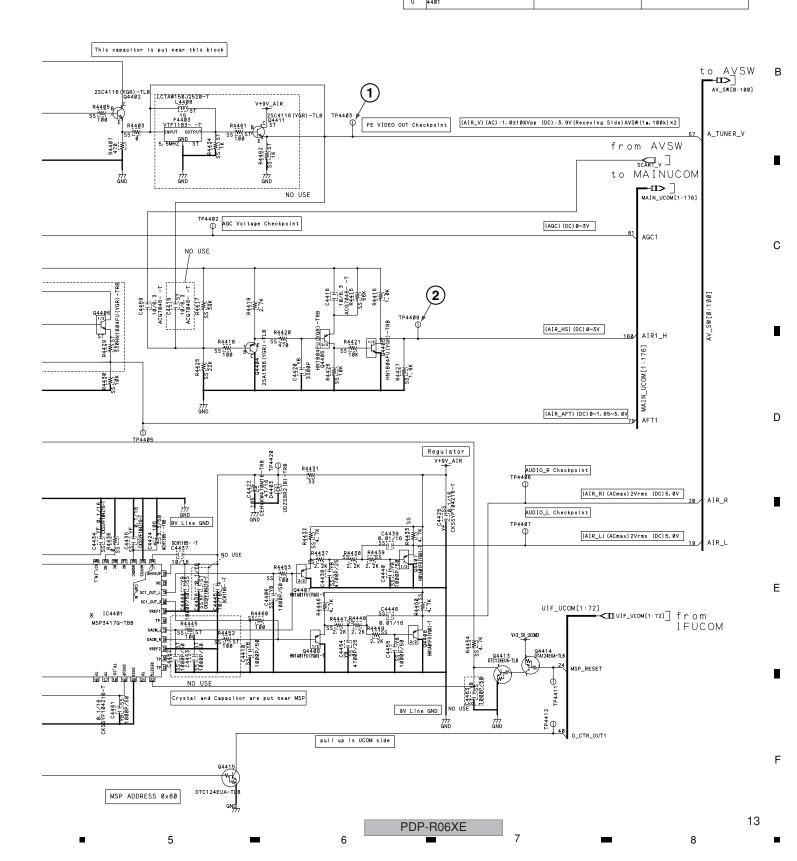
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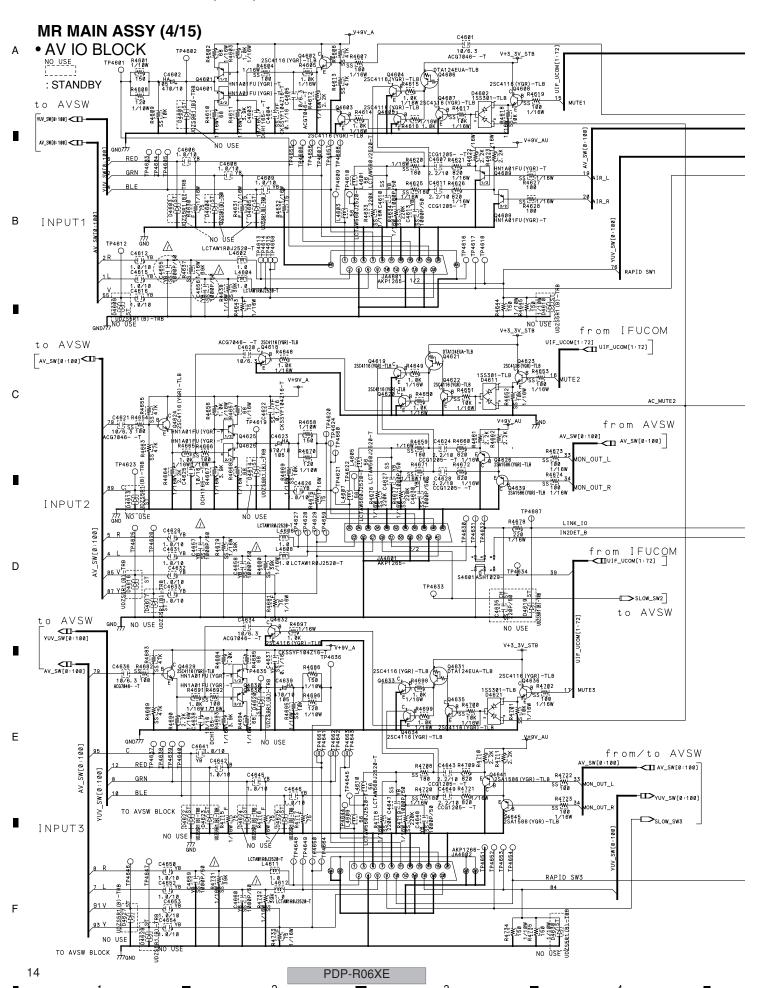
MODEL PDP-R06XE PDP-R06FE

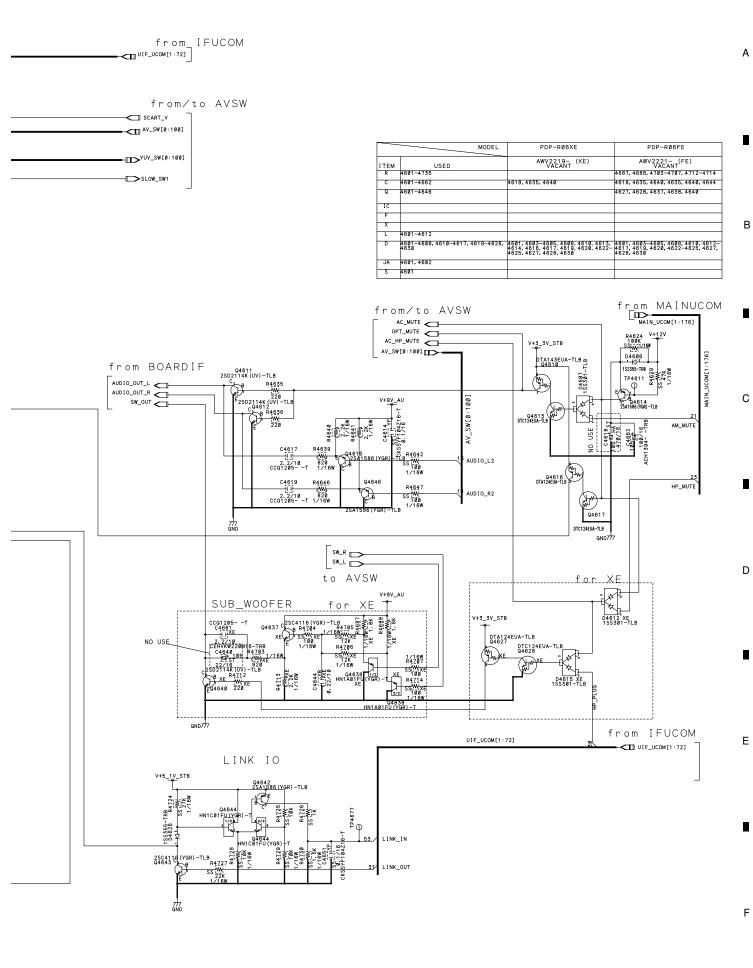
ITEM USED AWV2219_ (XE) AWV2221_ (FE)

R 4481-4462 4419-4452 4428-4419-4413, 4422-4424, 4428, 4482-4418-4413, 4422-4426, 4428, 4438-4418-4452, 4456, 4457, 4461, 4452, 4456, 4457, 4461, 4452, 4458, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4458, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461, 4452, 4461

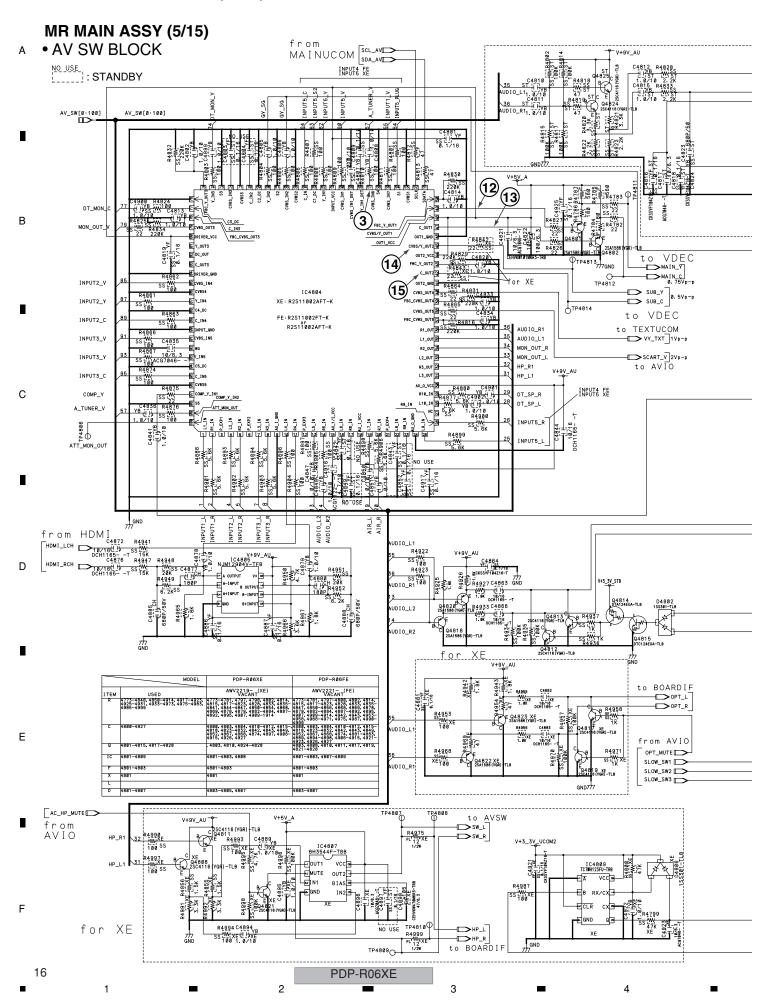
This block is separated from the FE/IF and put near the Regulator block.

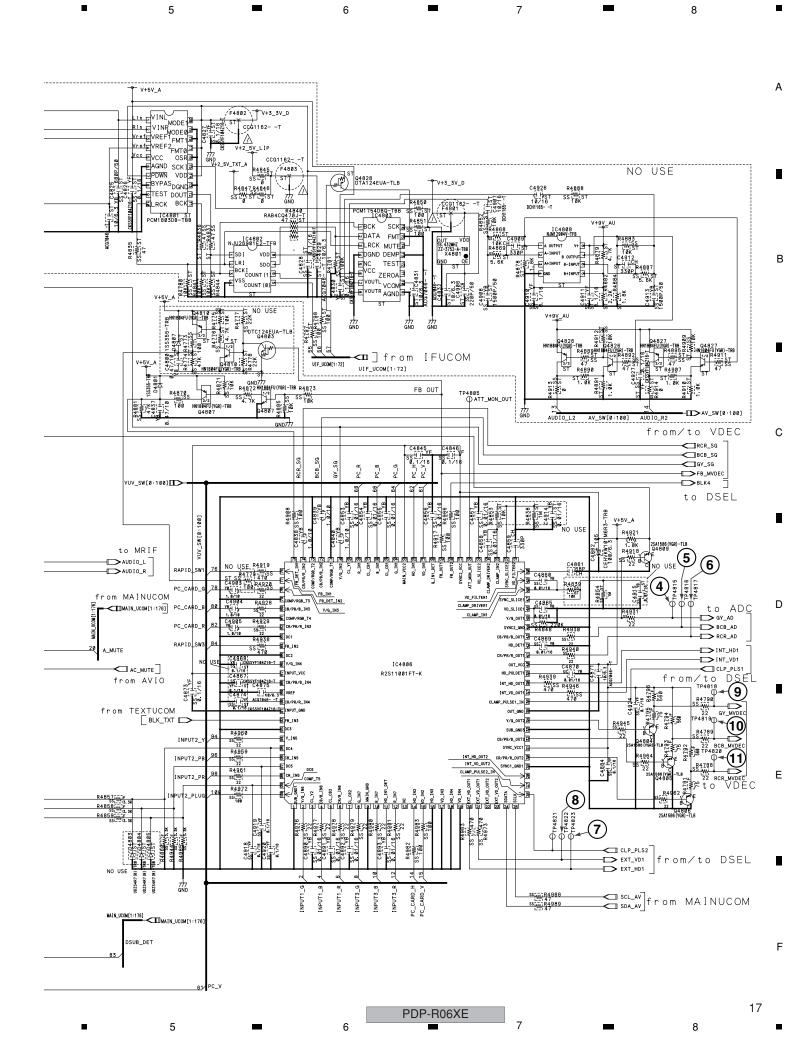






PDP-R06XE





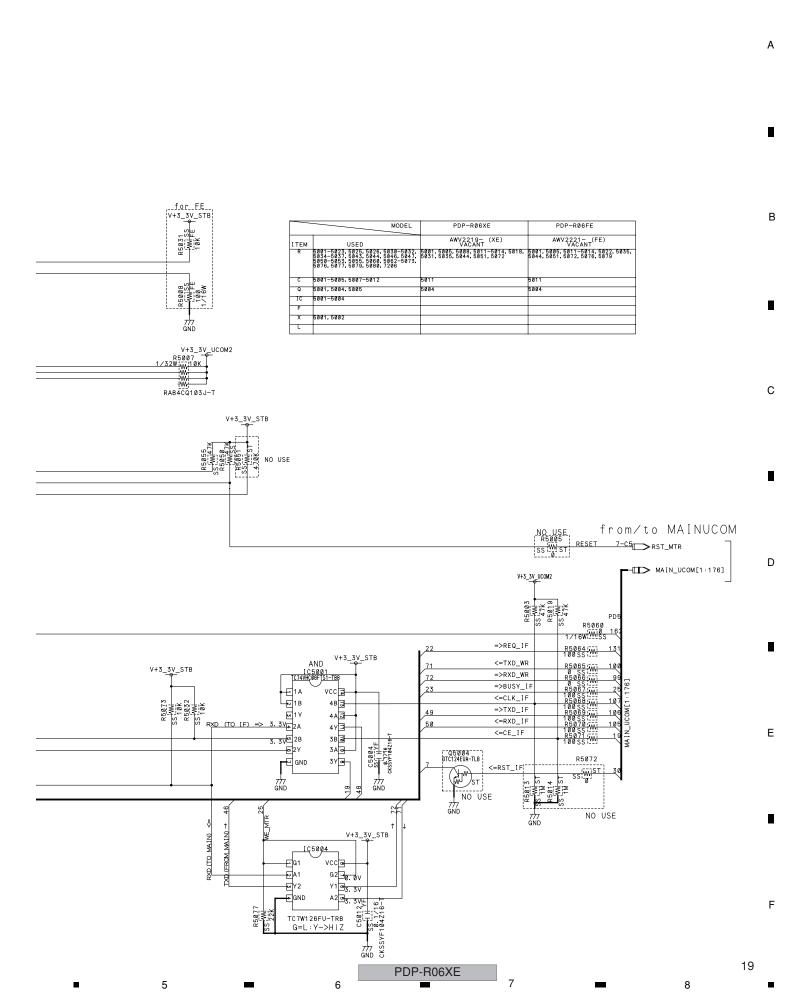
PDP-R06XE

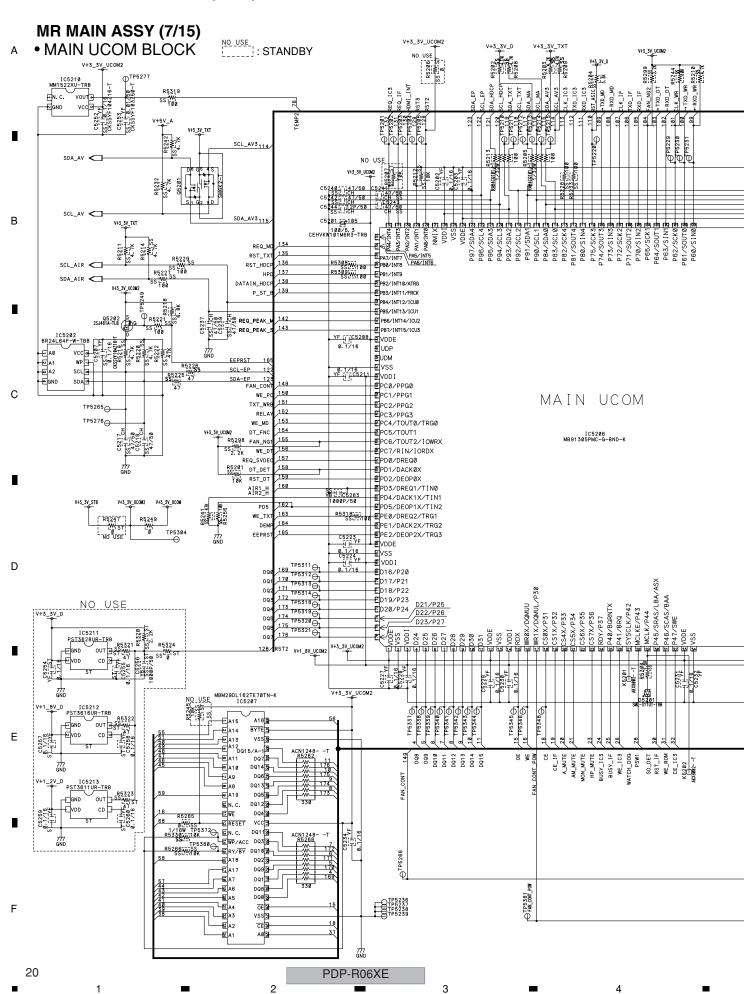
9.83MHz

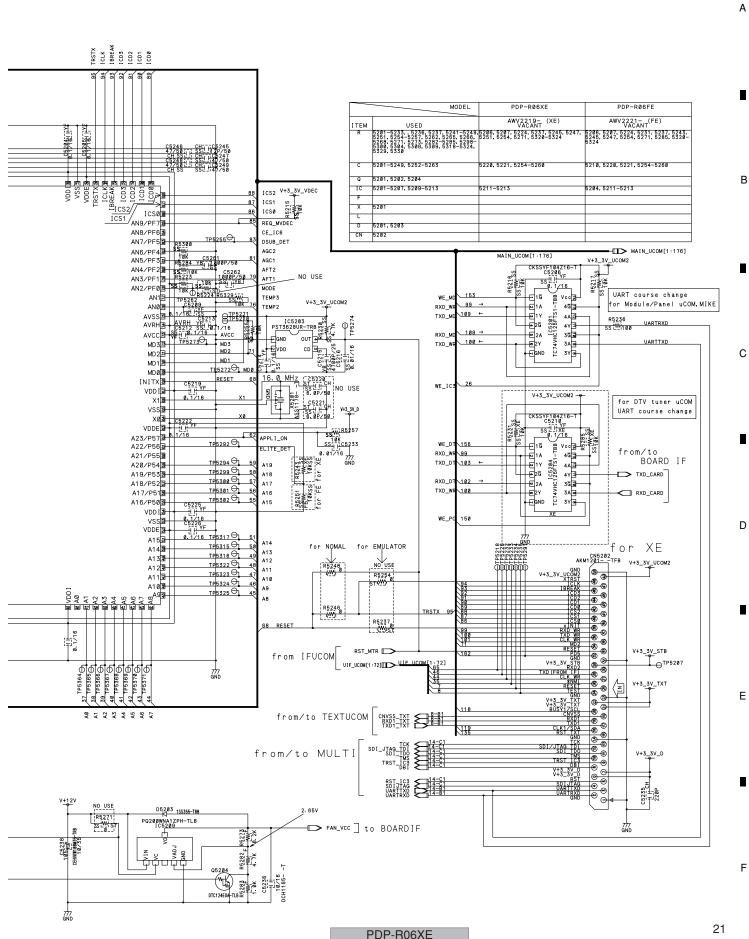
EXP-A3 COUNTØ EXP-A2 COUNT1 EXP-A1 LS_MUTE EXP-A0 HOT_P1

32.768KHz

66 RXD (FROM 232C) =>



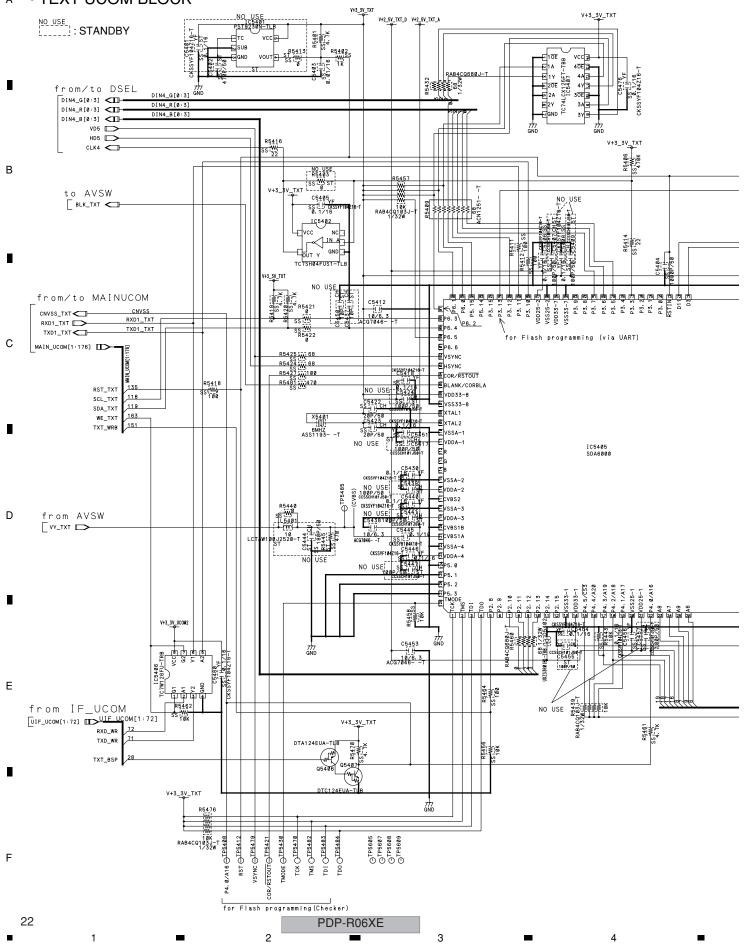


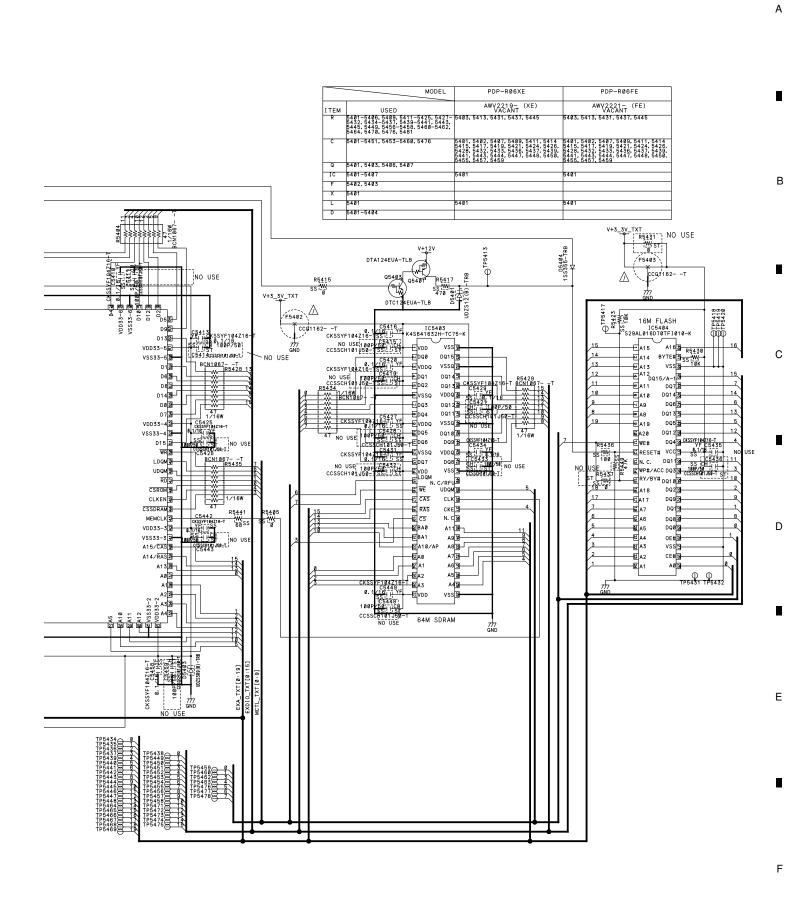


3.9 MR MAIN ASSY (8/15)

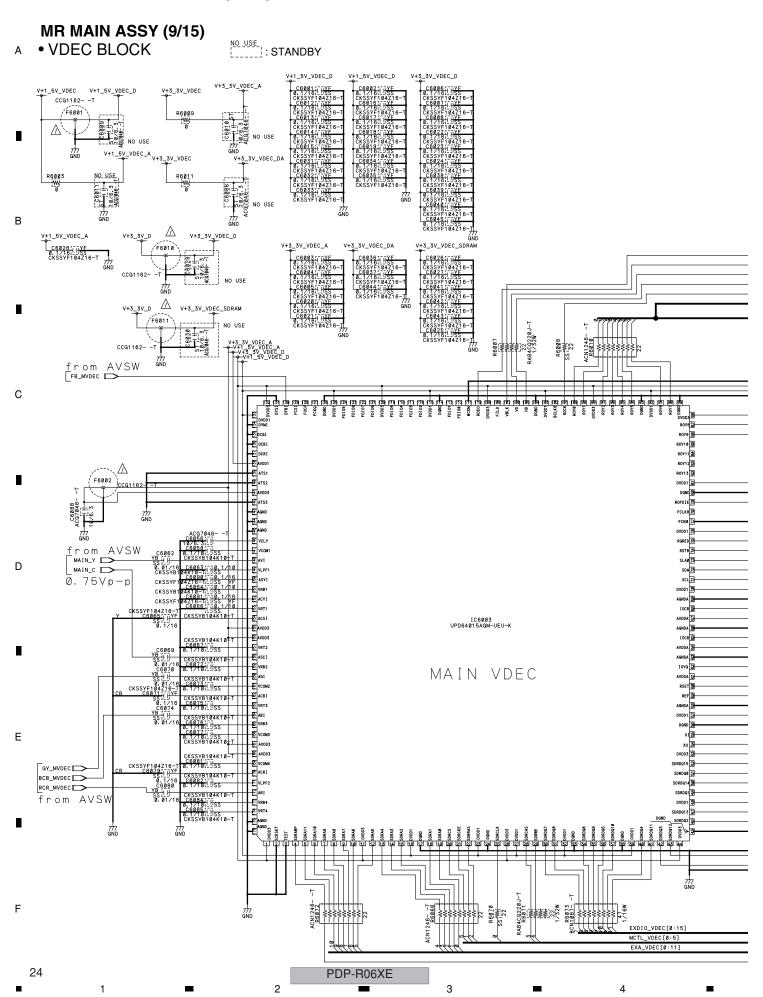
MR MAIN ASSY (8/15)

• TEXT UCOM BLOCK

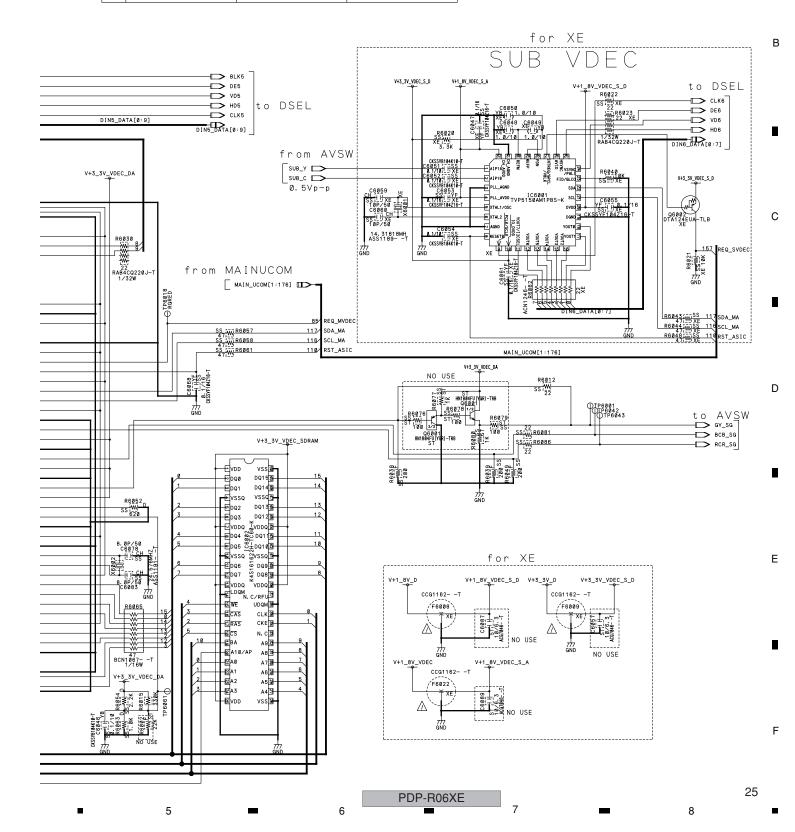


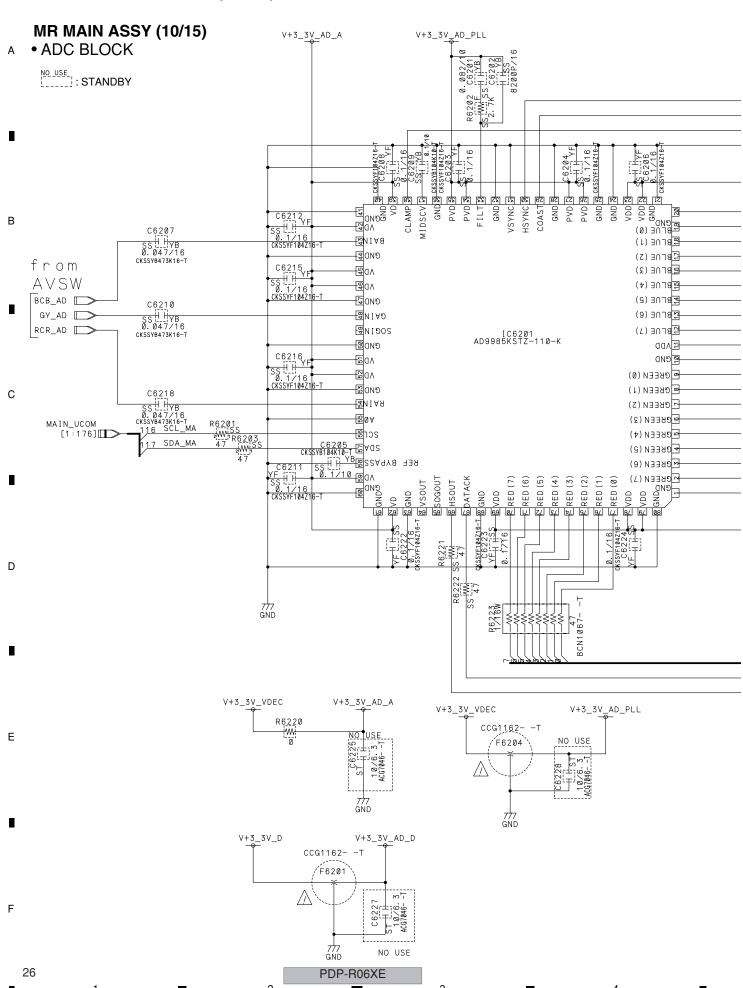


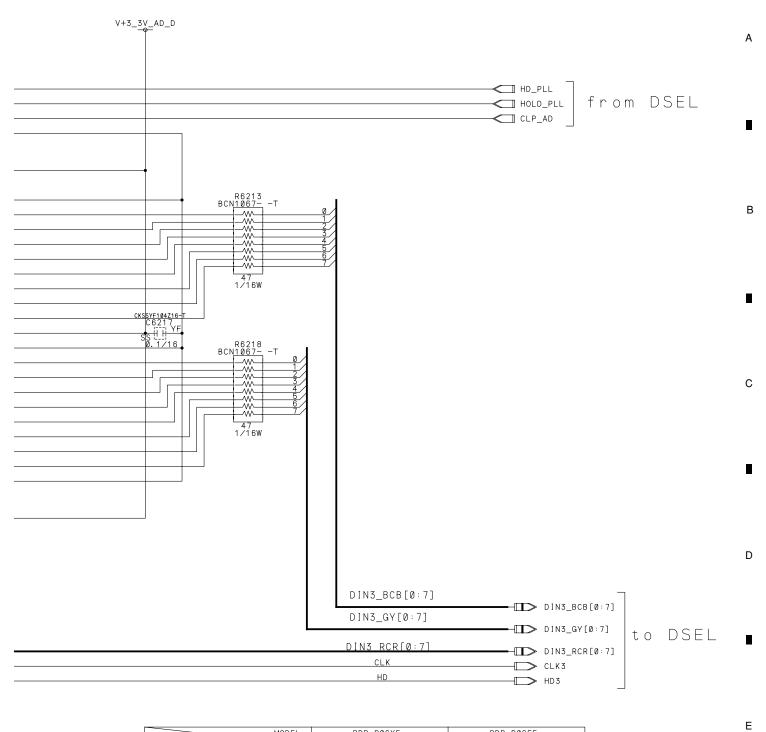
PDP-R06XE



	MODEL	PDP-R06XE	PDP-RØ6FE
ITEM	USED	AWV2219- (XE) VACANT	AWV2221- (FE) VACANT
R	6002, 6003, 6007-6012, 6015, 6020- 6023, 6030, 6038-6040, 6043, 6044, 6048, 6049, 6052, 6054, 6057, 6056, 6061-6063, 6065, 6068, 6070-6073, 6076-6081, 6086	6002, 6076-6080	6002, 6020-6023, 6040, 6043, 6044, 6048, 6062, 6076-6079, 6080
С	6001-6091	6009-6011, 6029, 6030, 6057, 6086, 6087, 6089	6009-6011, 6029, 6030, 6047-6055, 6057, 6059-6061, 6086, 6087, 6089
Q	6001, 6002	6001	6001, 6002
IC	6001-6003		6001
F	6001, 6002, 6008-6011, 6022		6008, 6009, 6022
X	6001, 6002		6001
L			







	MODEL	PDP-R06XE	PDP-R06FE
ITEM	USED	AWV2219- (XE) VACANT	AWV2221- (FE) VACANT
	6201-6203, 6213, 6218, 6220-6223		
С	6201-6212, 6215-6218, 6222-6225, 6227, 6228	6225, 6227, 6228	6225, 6227, 6228
Q			
IC	6201		
F	6201, 6204		
Х			
L			

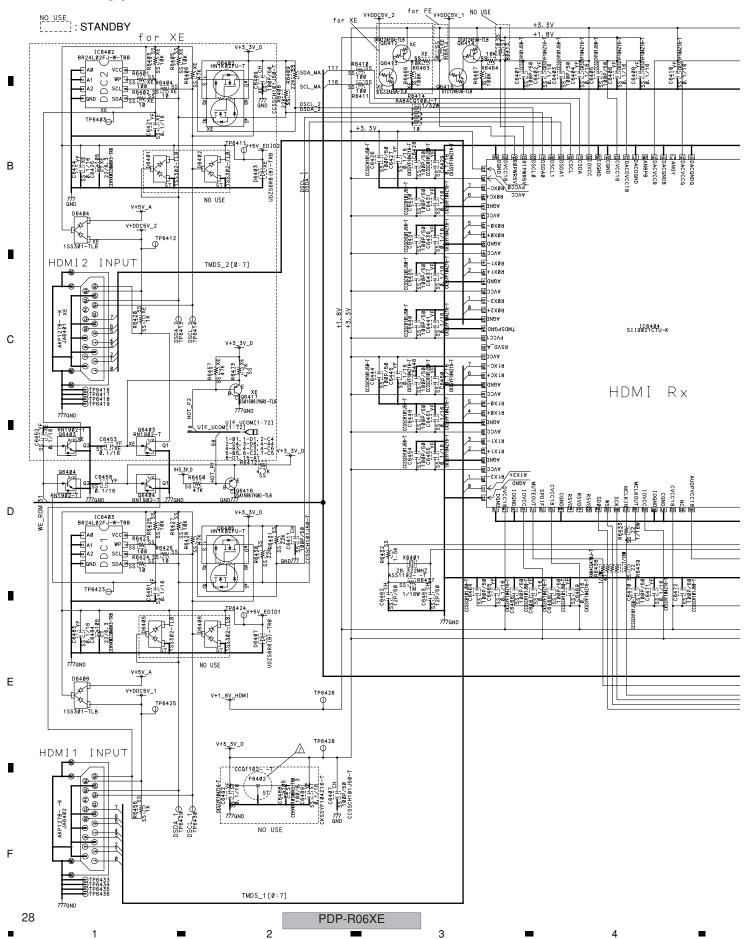
PDP-R06XE

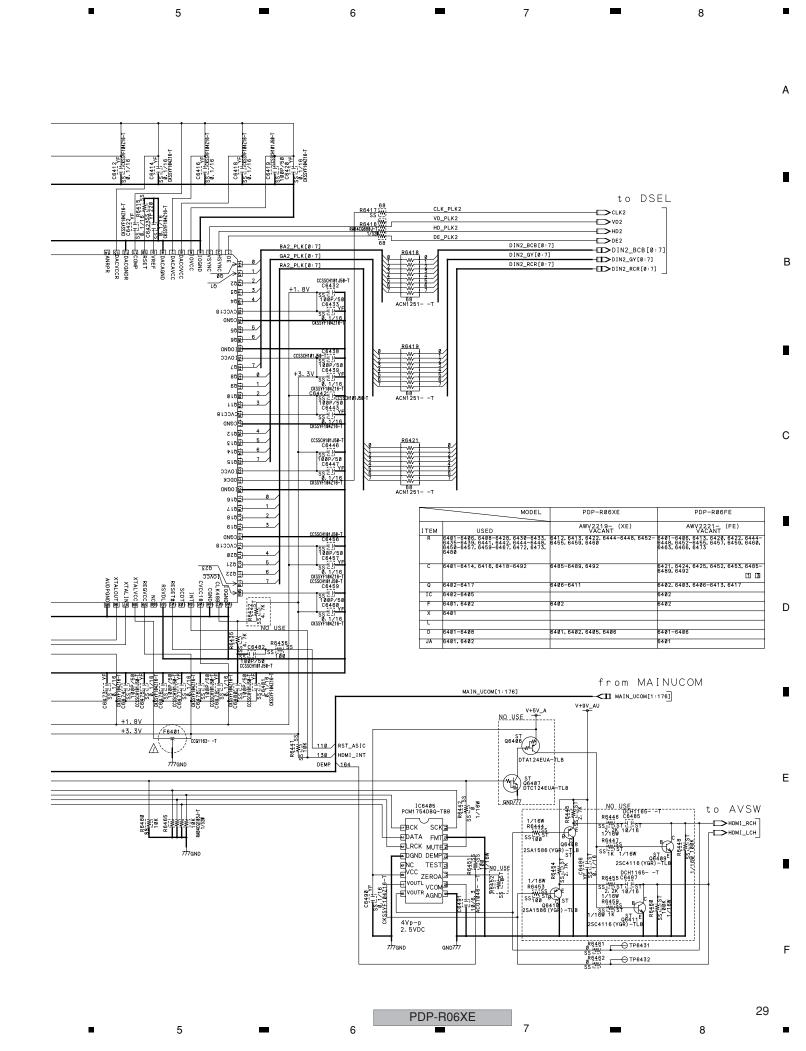
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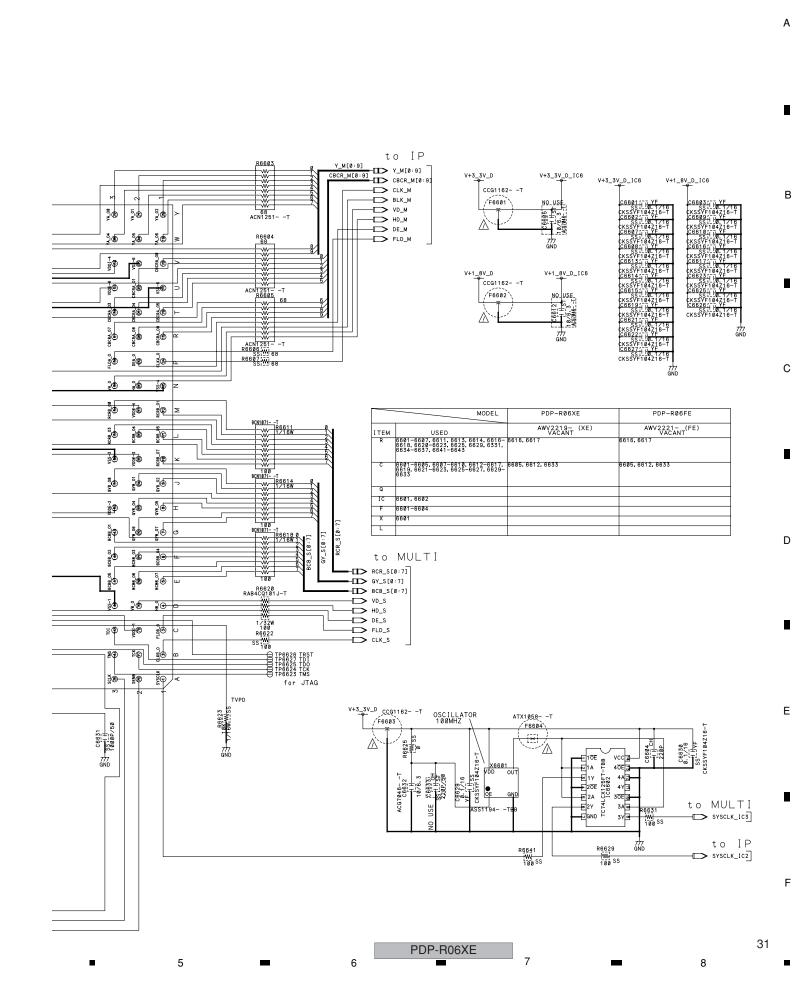
3.12 MR MAIN ASSY (11/15)

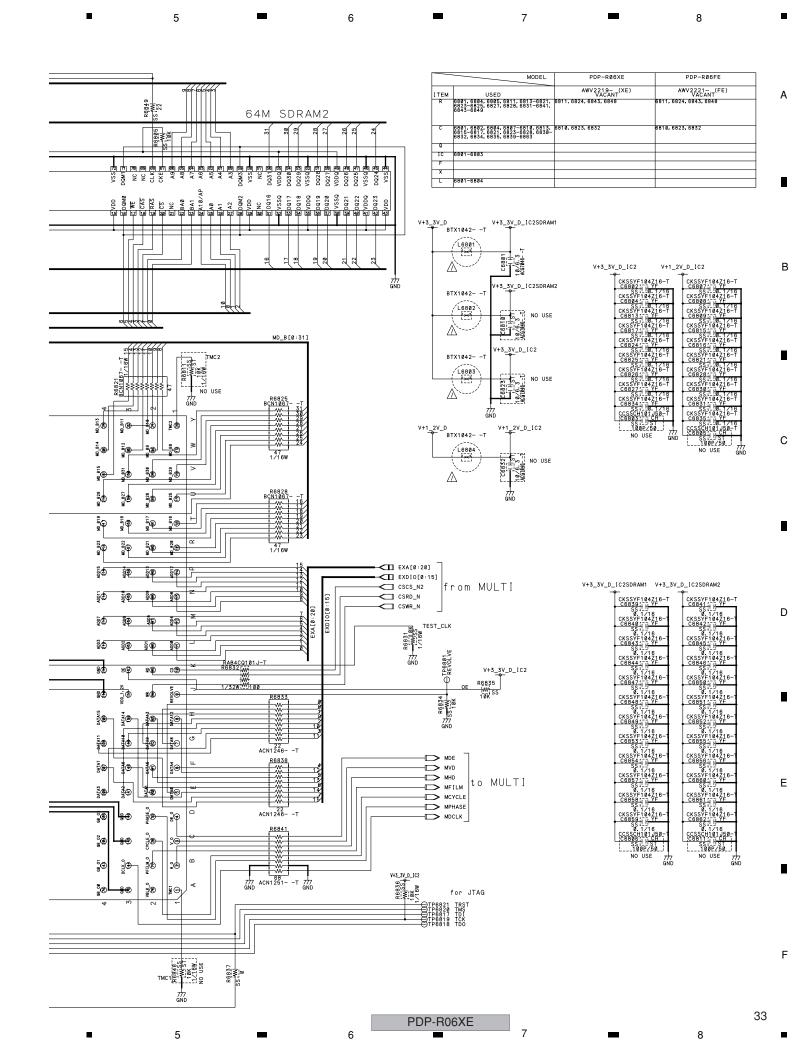
MR MAIN ASSY (11/15)

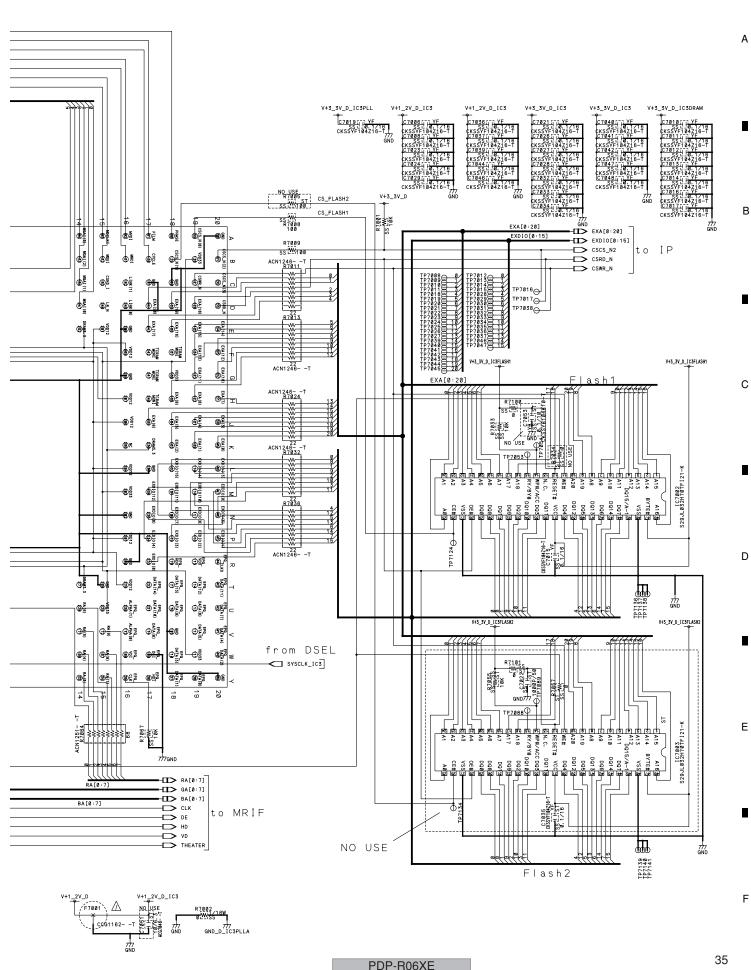
HDMI BLOCK

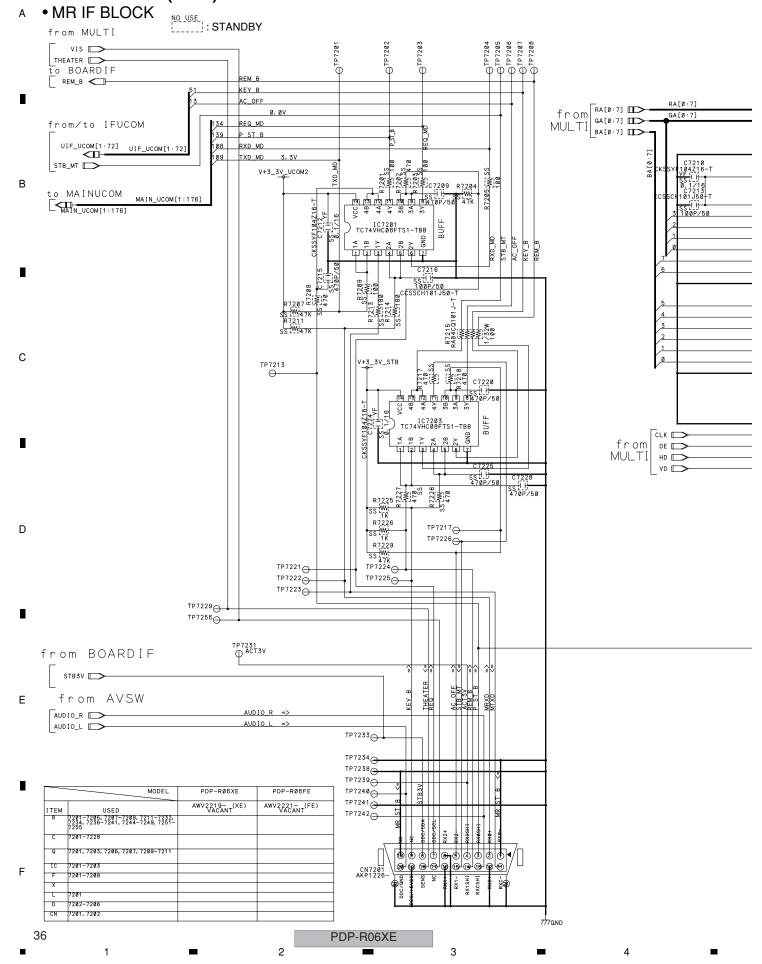


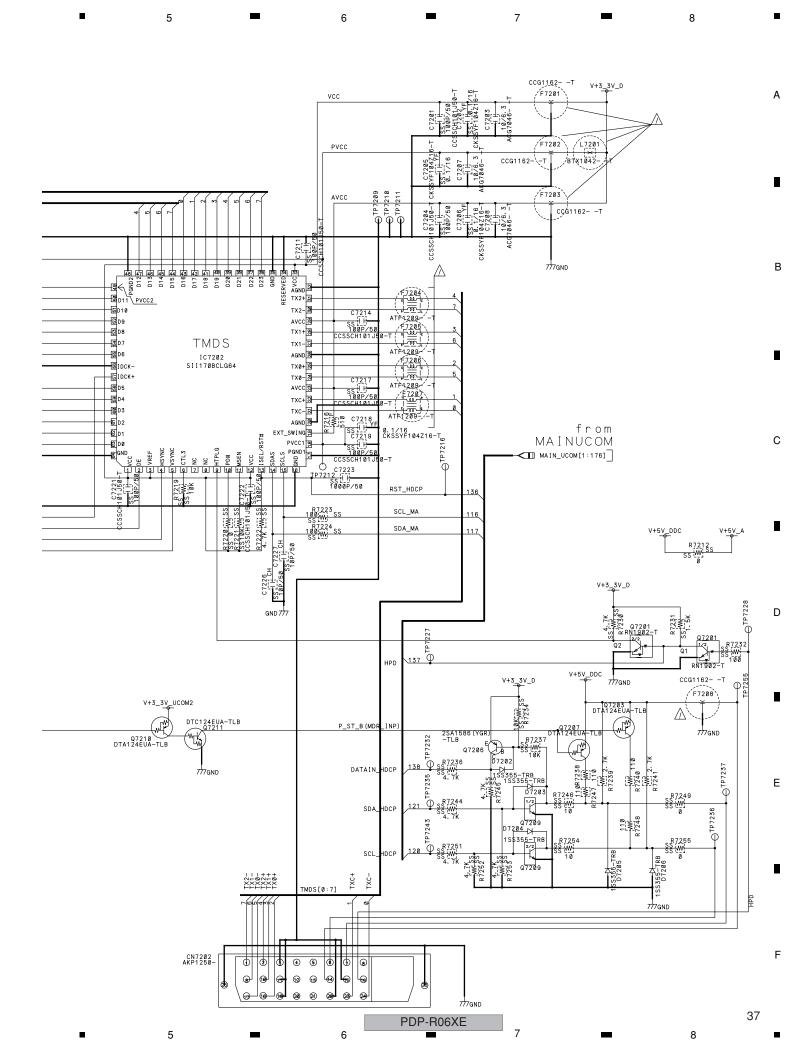






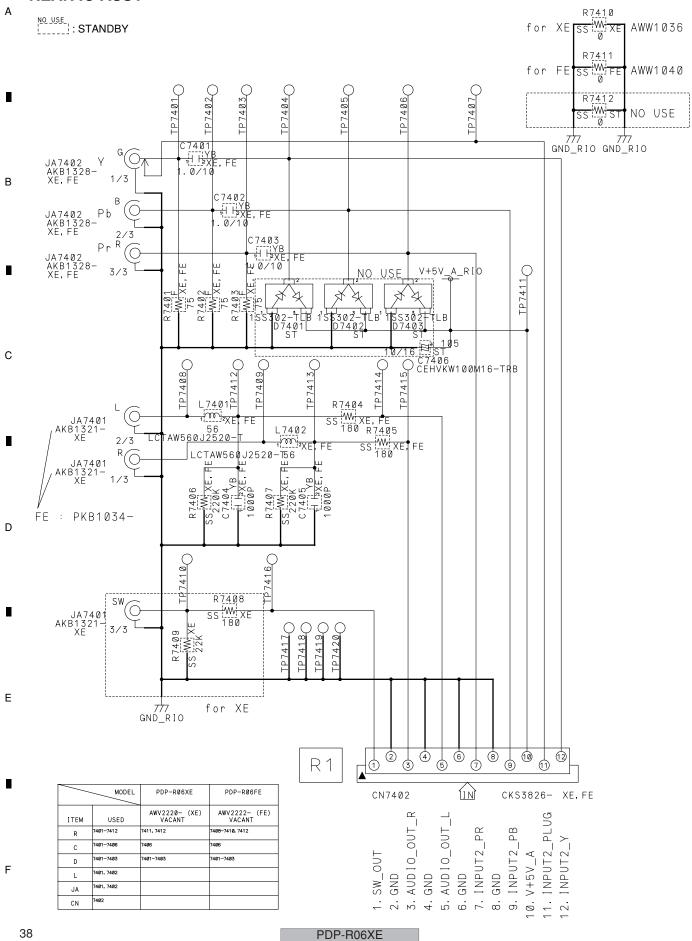




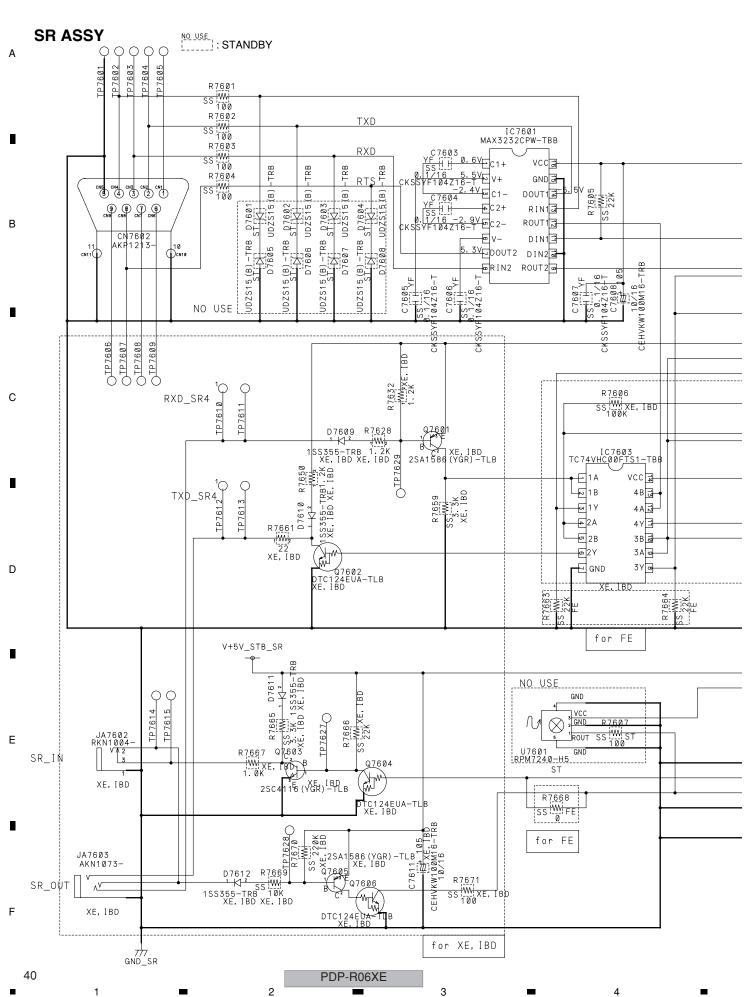


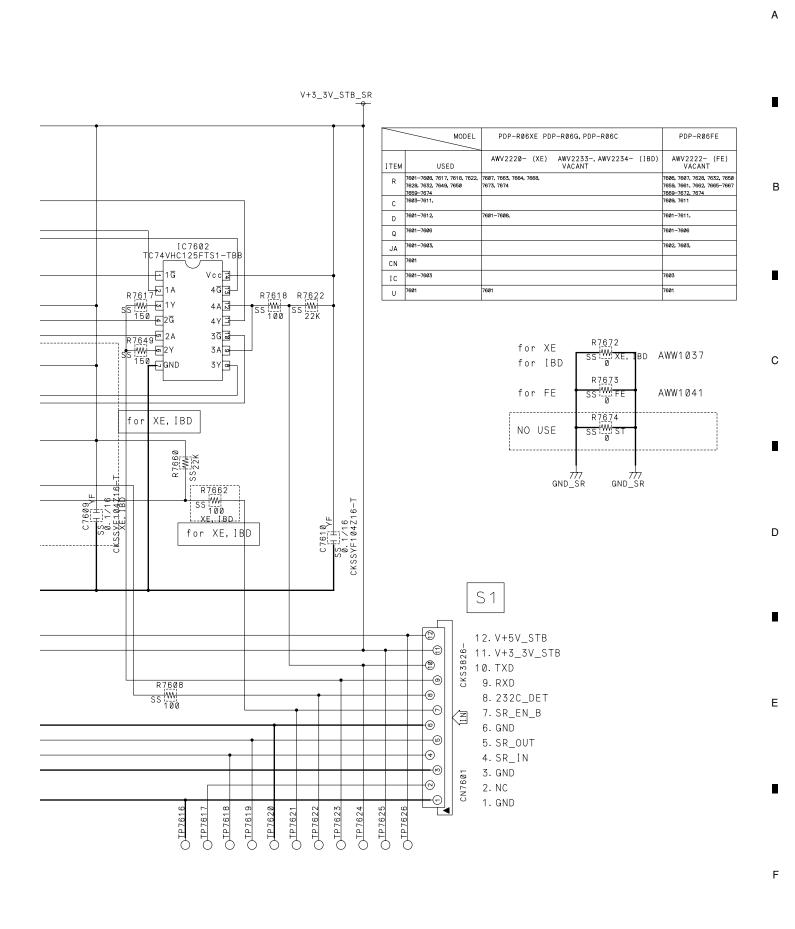
3.17 REAR IO ASSY

REAR IO ASSY

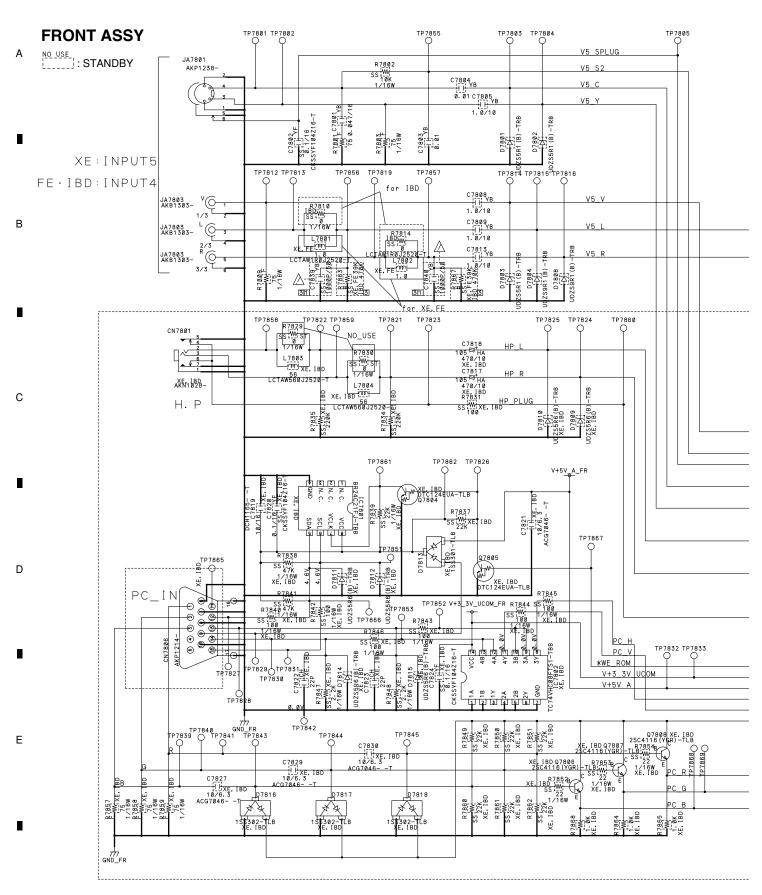


5 В С D Ε 39 PDP-R06XE 5 8

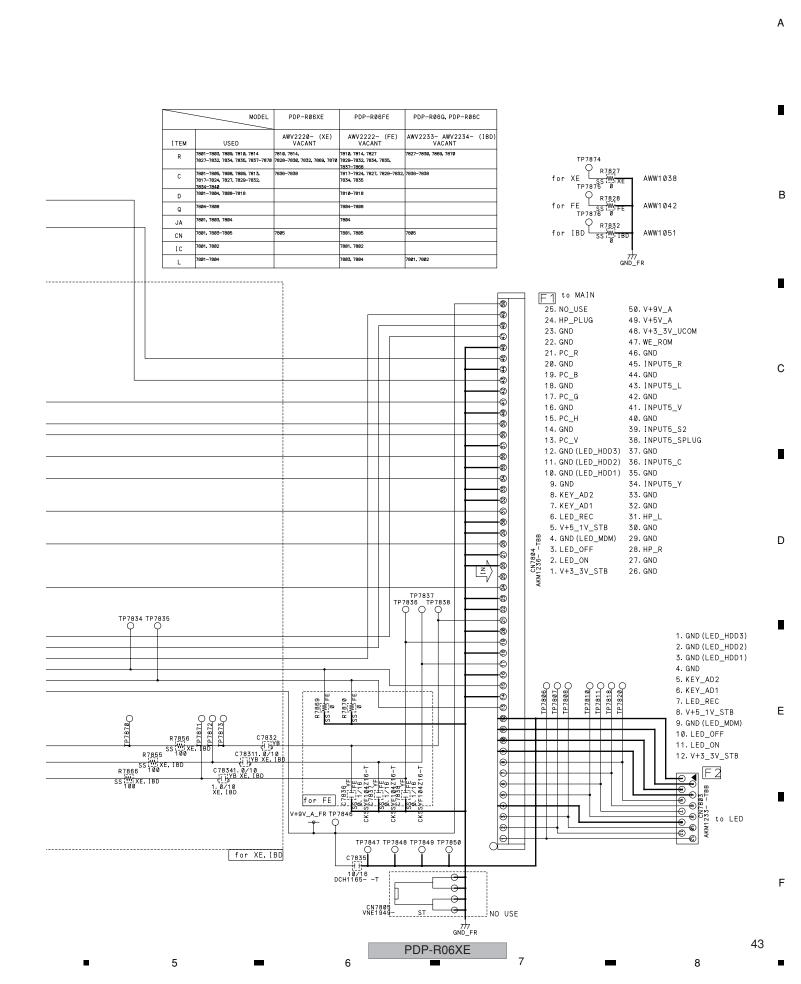




PDP-R06XE

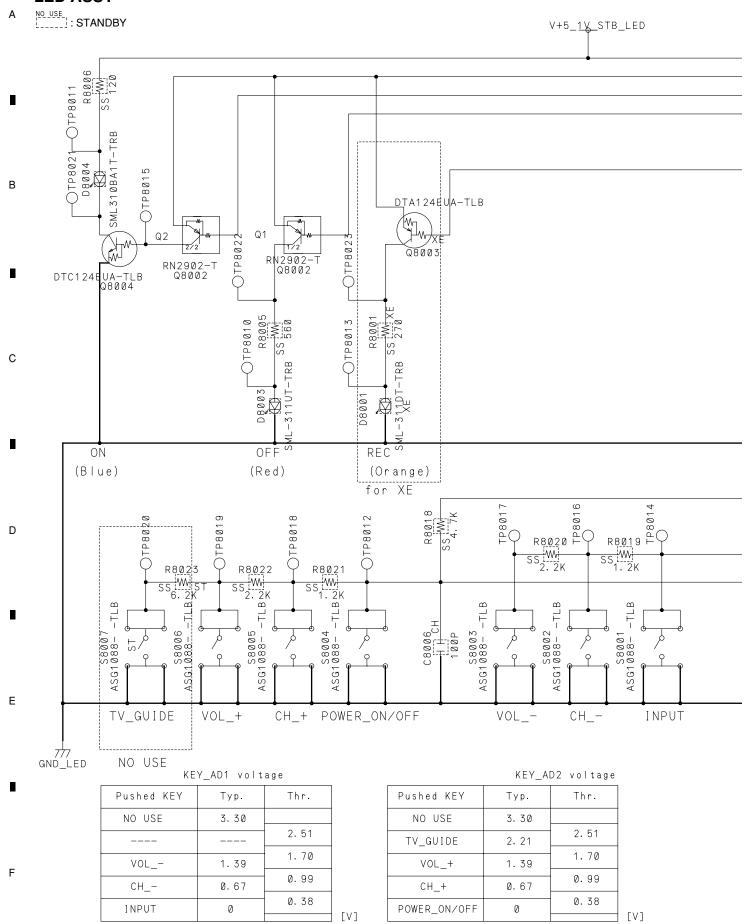


PDP-R06XE

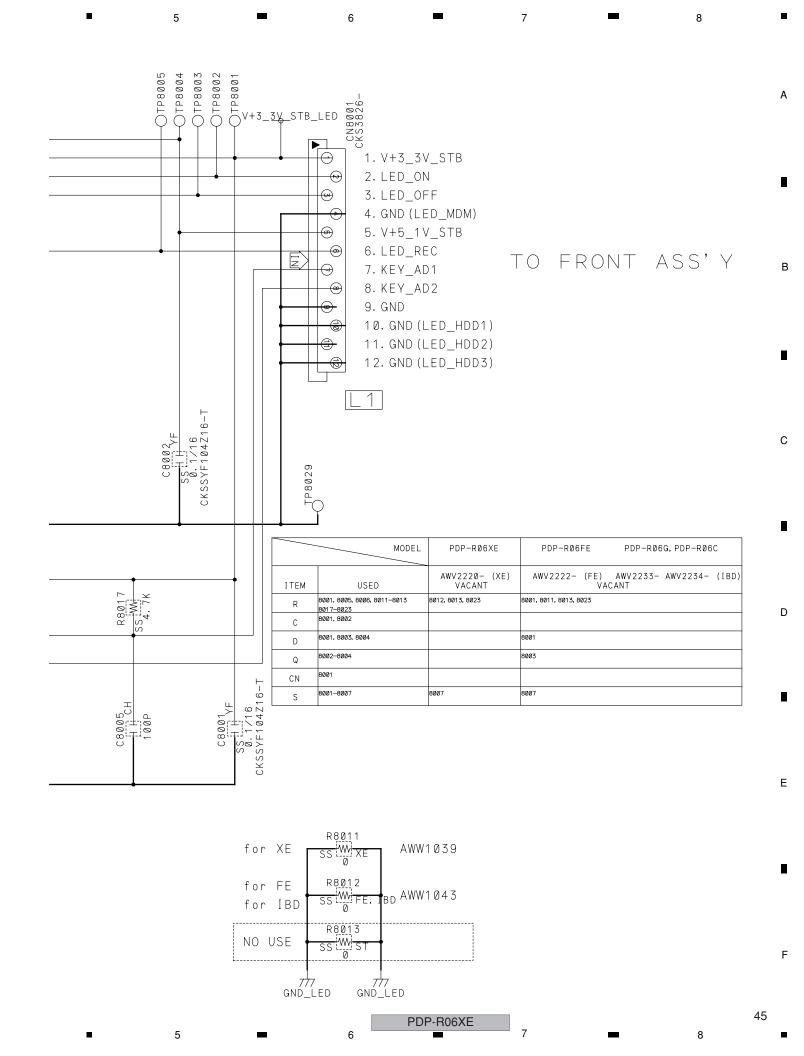


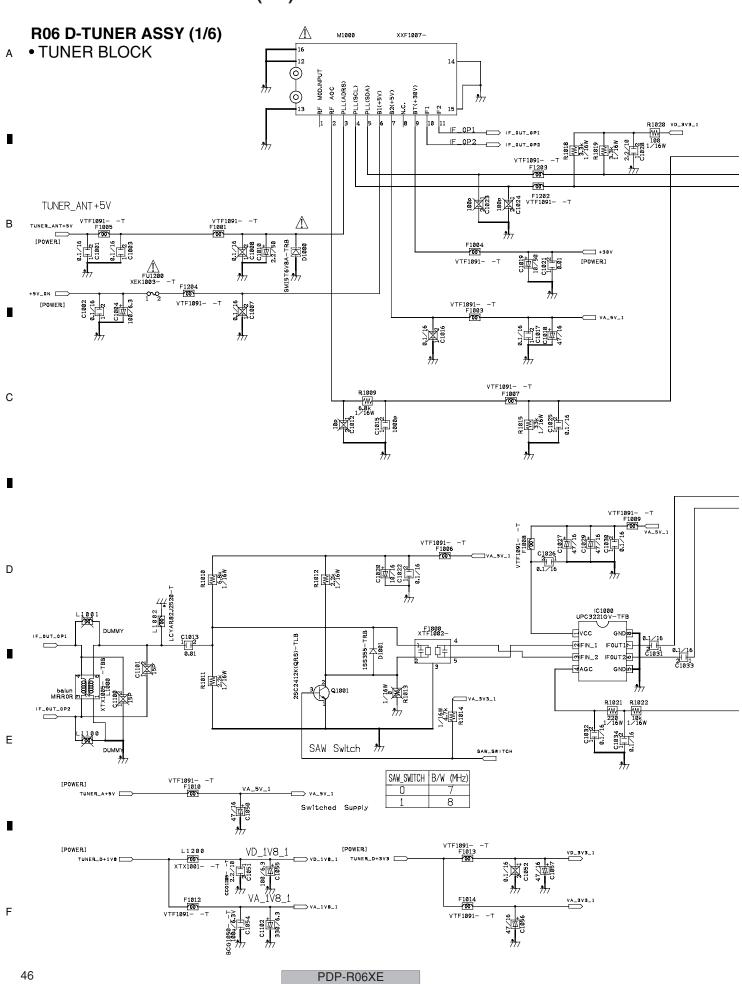
3.20 LED ASSY

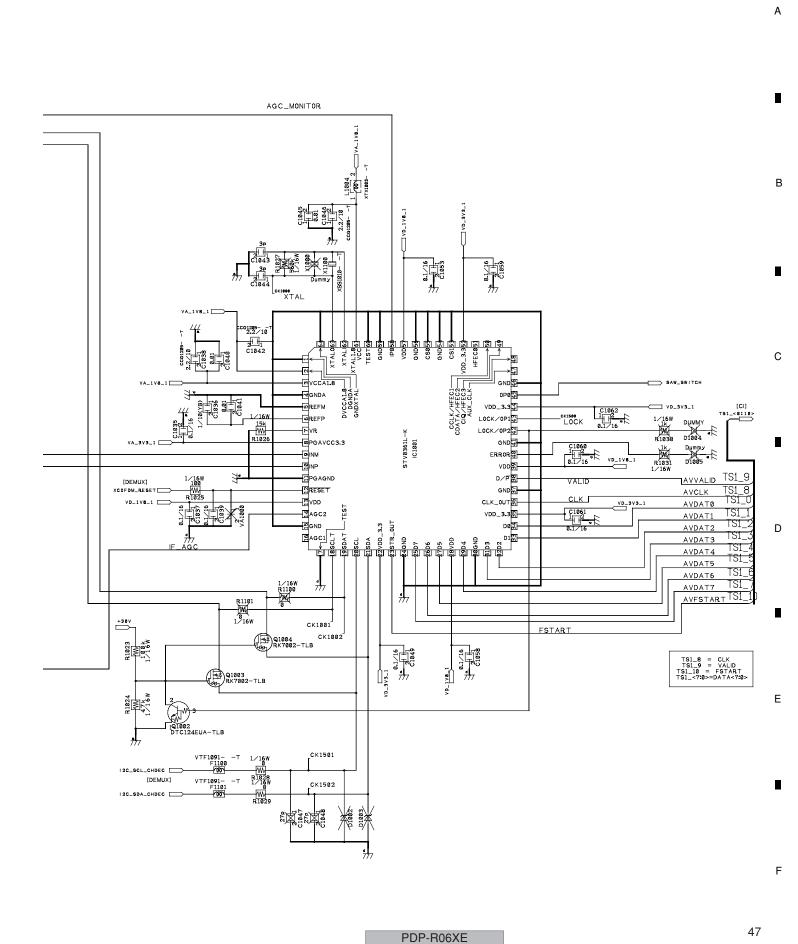
LED ASSY

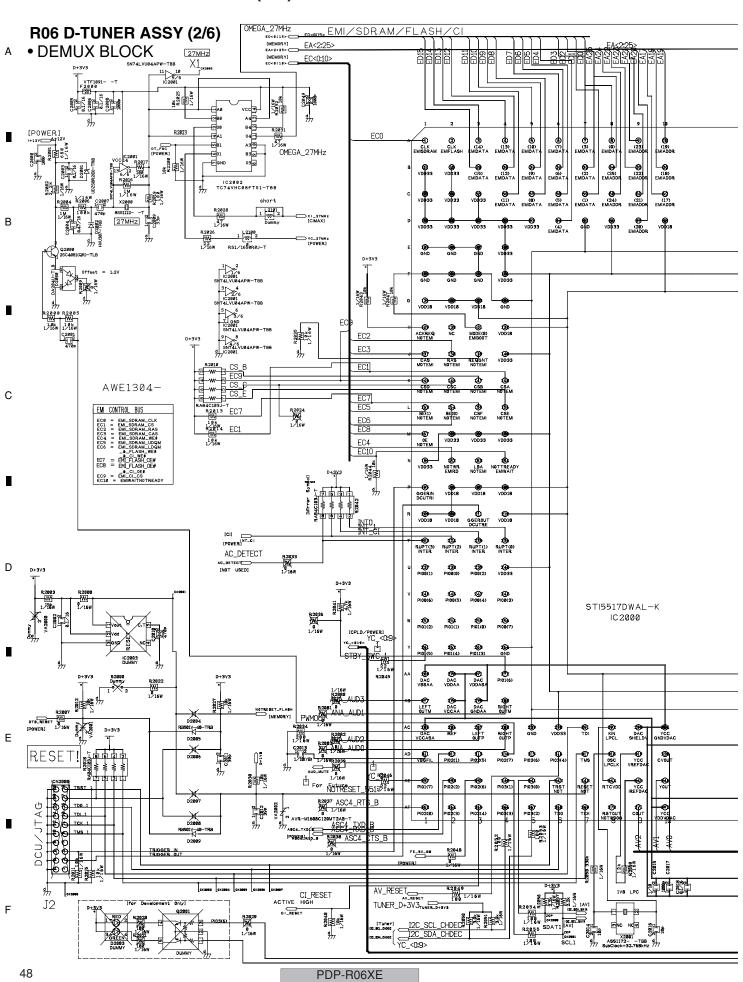


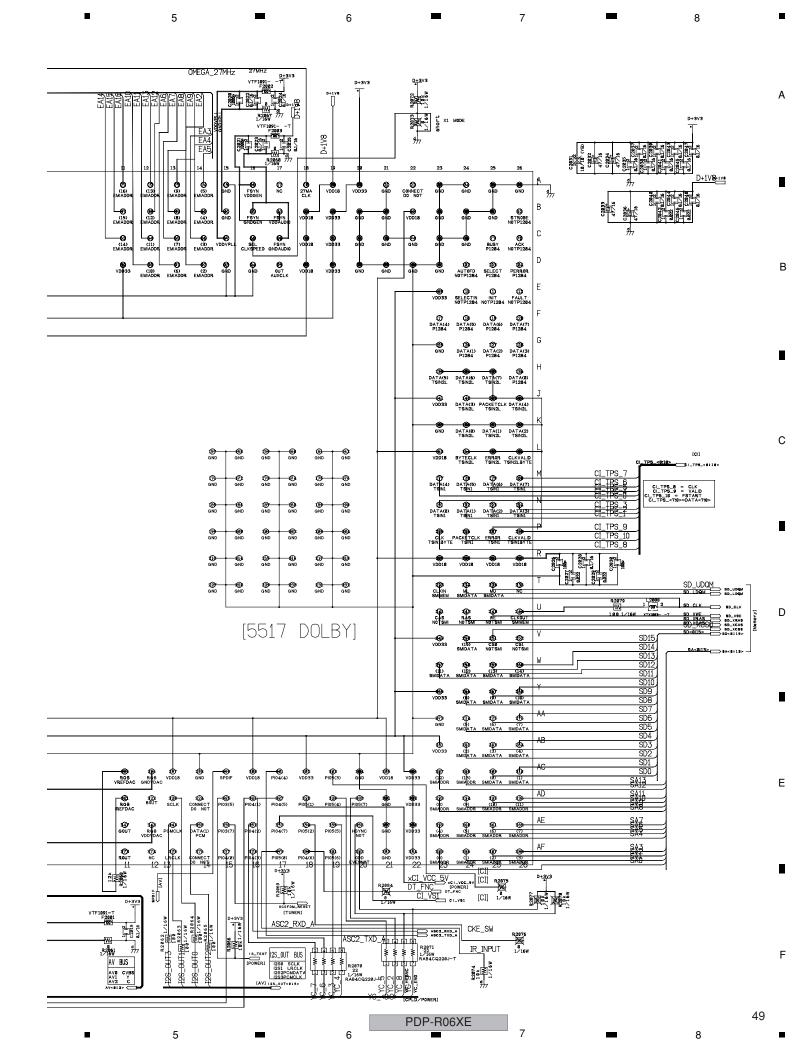
PDP-R06XE

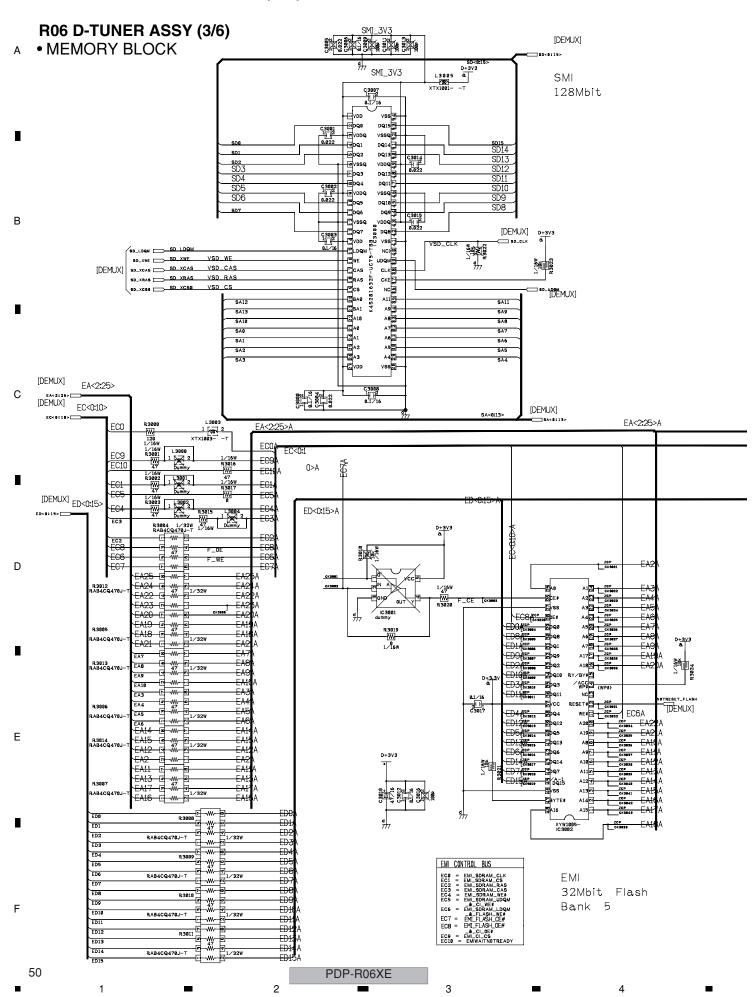


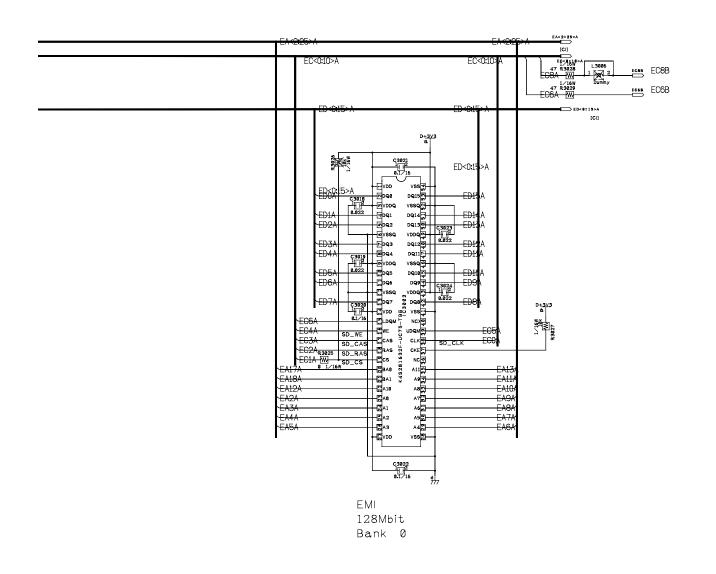










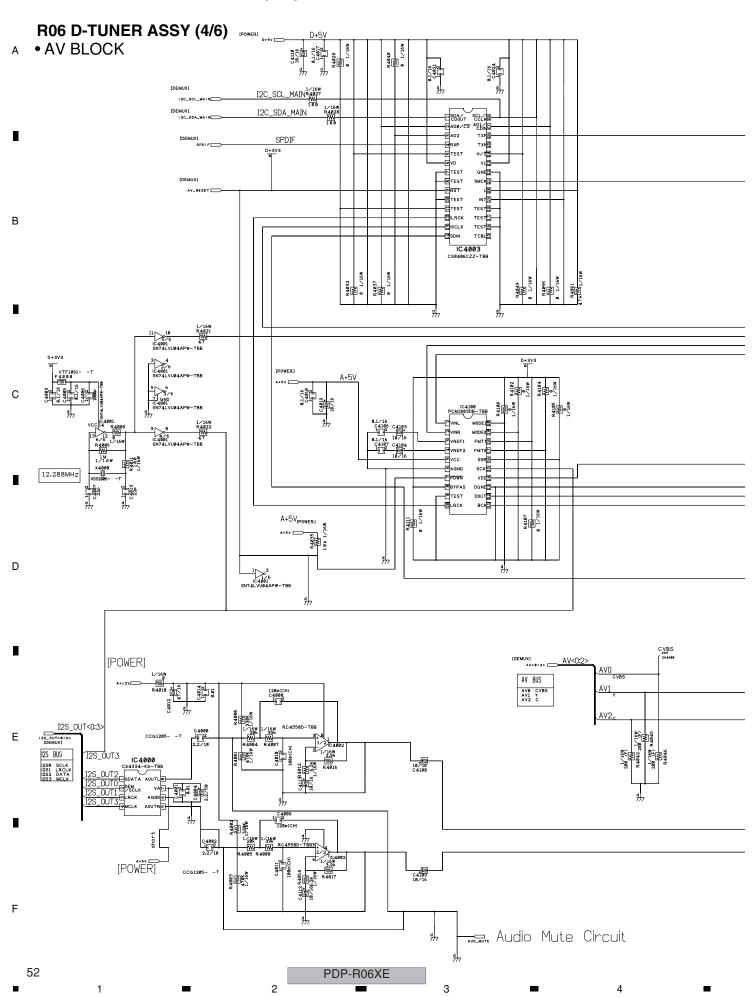


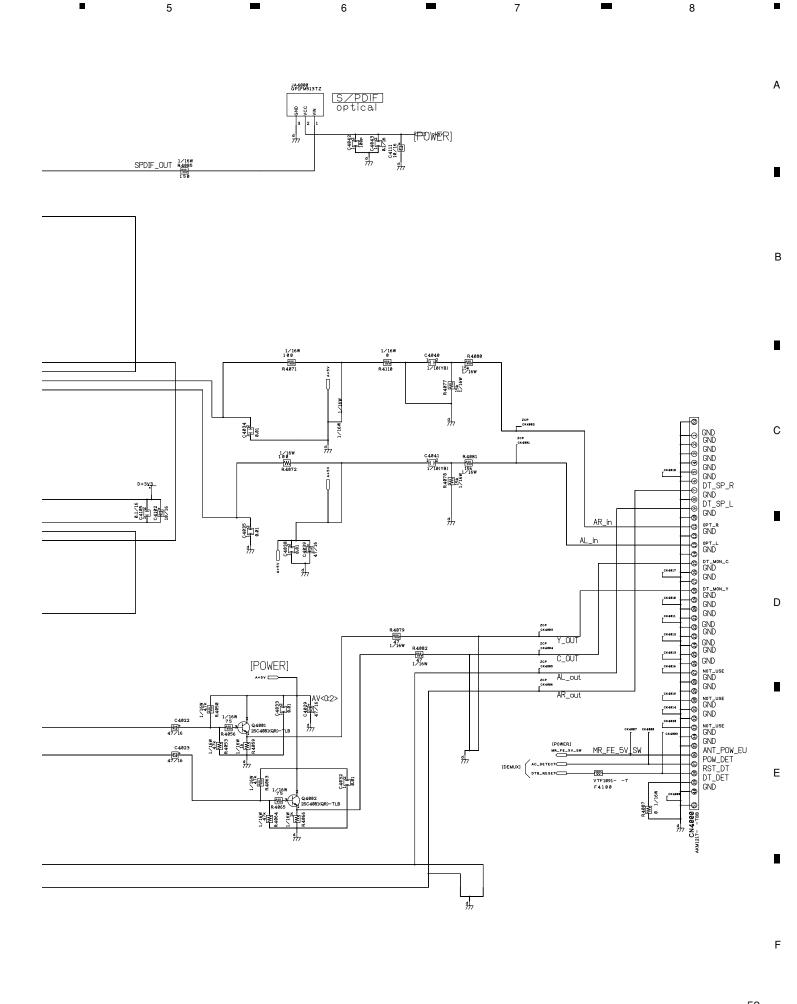
PDP-R06XE

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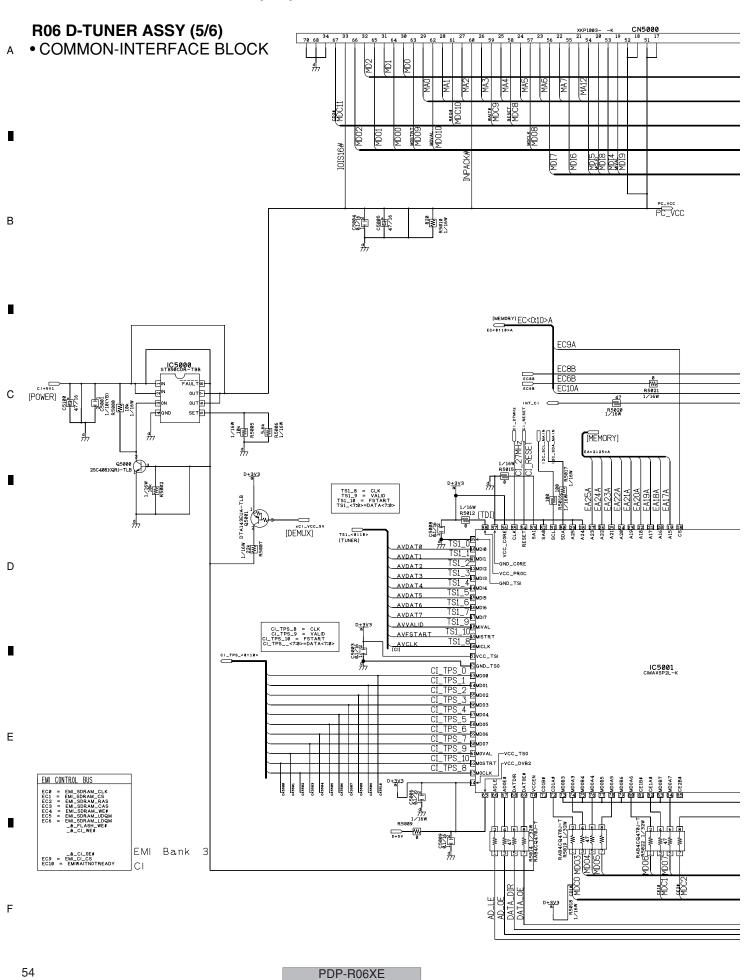
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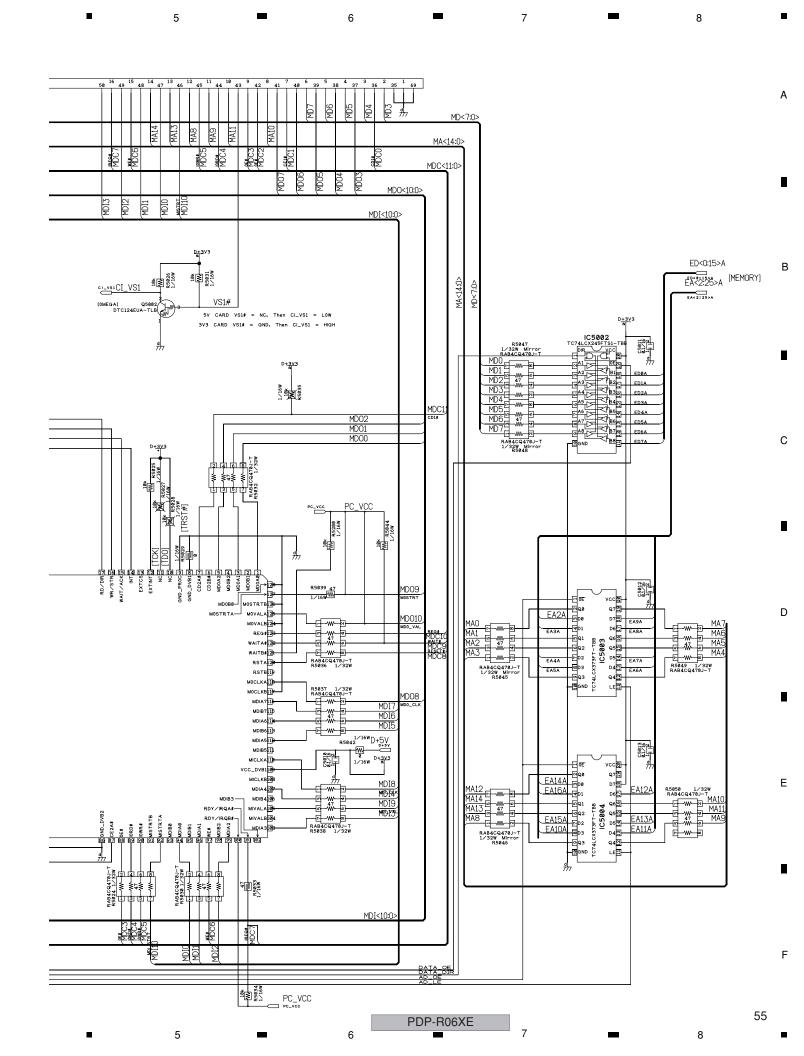
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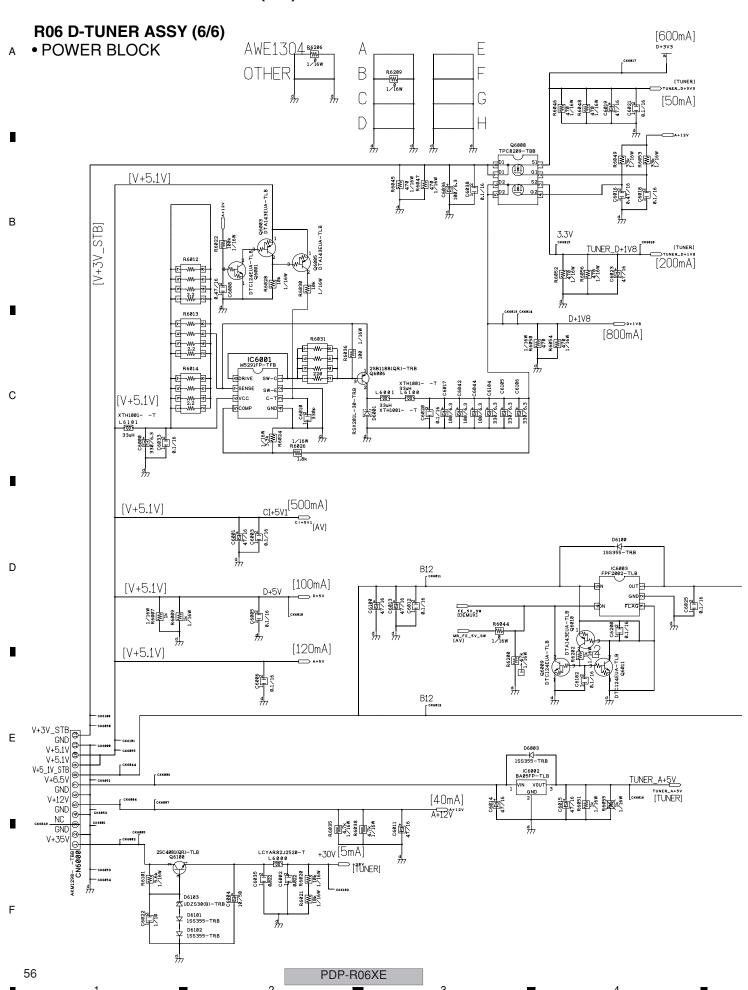


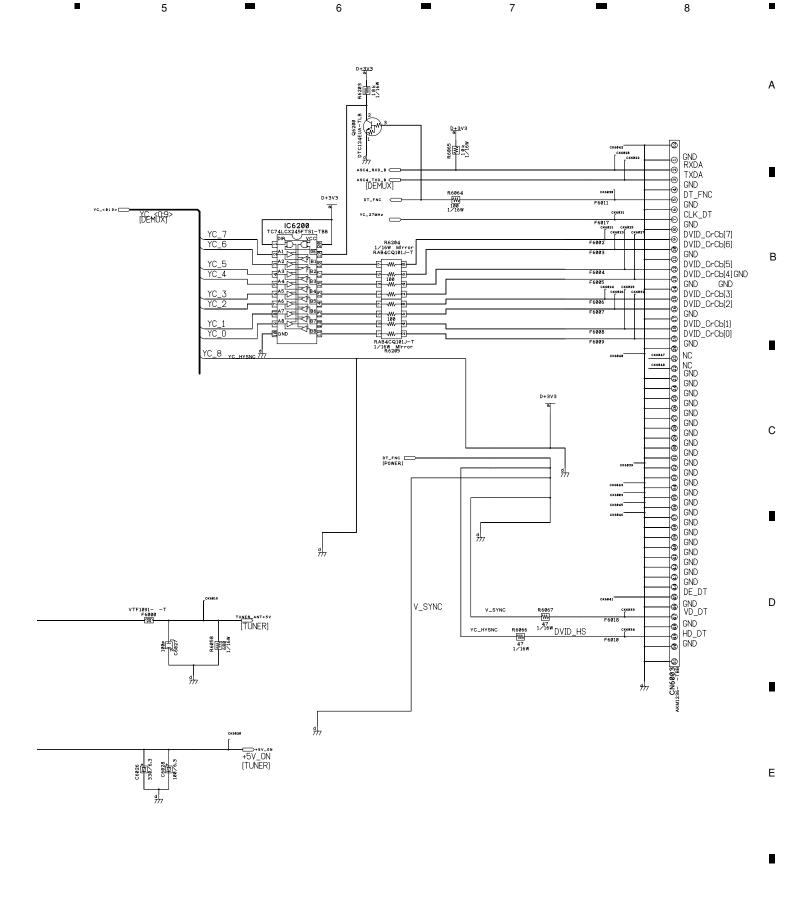
PDP-R06XE 7





3.26 R06 D-TUNER ASSY (6/6)





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PDP-R06XE

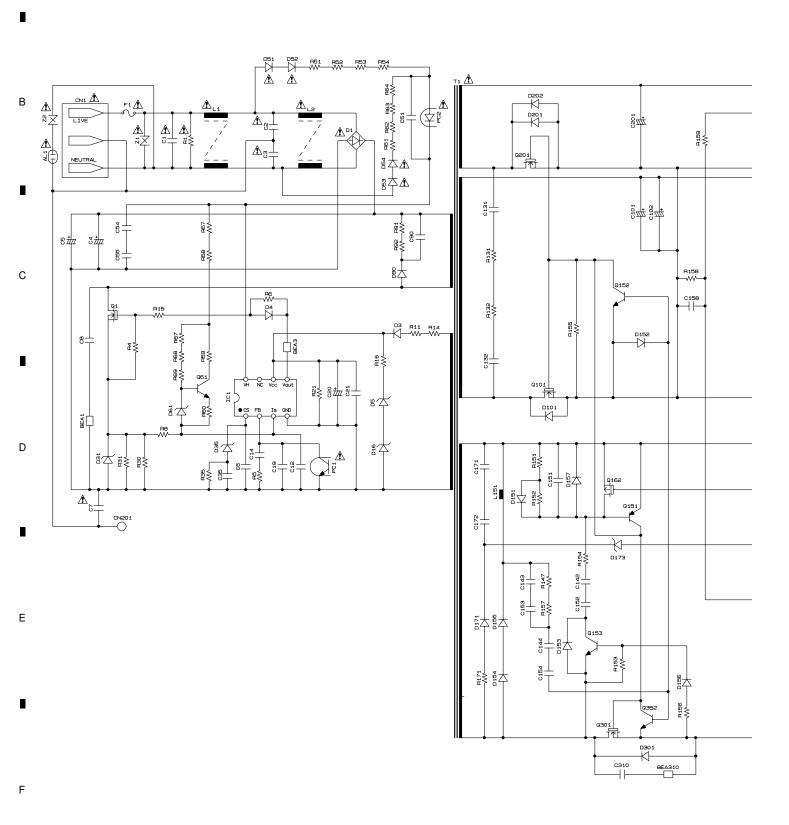
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3.27 POWER SUPPLY UNIT

POWER SUPPLY UNIT

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PDP-R06XE

CN101 4 STBY3. 3V ## | | | CN102 В -(12) STBY3. 3V IC181 R185 Б этвубу -(В) ЅТВУБУ 9 5v 8 5v 249 ¥391 a T R181 **№** £ 52 102 ≯ 0102 9 5v 10 5v H182 | | R257 ₩ P256 ▼ 885 | |-H203 H203 H202 H202 С F110 AC DET -(3) GND -(5) GND -(9) GND L 88 -(11) GND 1394 | | | -(13) GND -15 GND 3 NC -(5) 12V 12) 12V D R393 R391 84 164 | ≥ 24% # 1004 | | ₩ 1504 H701 -2 RELAY 24 ¥ (14) NC M173 -(1) 35V 55 16 35V 8 ± 8 ± 2 € \$ Е −⑦ 6. 5V Q161 10 6.5V **於** i → i | MS53 ß #zz 444 GND GND GND 4705 W C701 -(11) GND

PDP-R06XE

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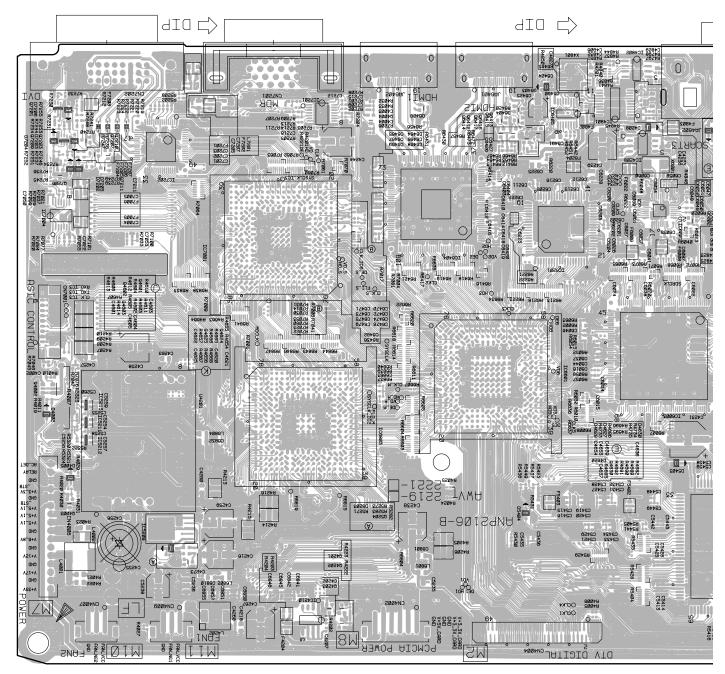
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4. PCB CONNECTION DIAGRAM 4.1 MR MAIN ASSY

SIDE A

В

MR MAIN ASSY



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PDP-R06XE

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SIDE A

В

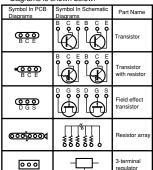
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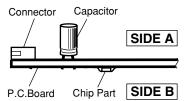
NOTE FOR PCB DIAGRAMS:

- 1. Part numbers in PCB diagrams match those in the schematic diagrams.

 2. A comparison between the main parts of PCB and schematic
- diagrams is shown below.



- 3. The parts mounted on this PCB include all necessary parts for several destinations.
 For further information for respective destinations, be sure to
- check with the schematic diagram.
 4. View point of PCB diagrams.



JDI 0 0 O Ö 0 0 ∰ INK2M ZS748 255748 C2428 C2428 C4512 Σ FRONT UCOM WRITING

(ANP2106-B)

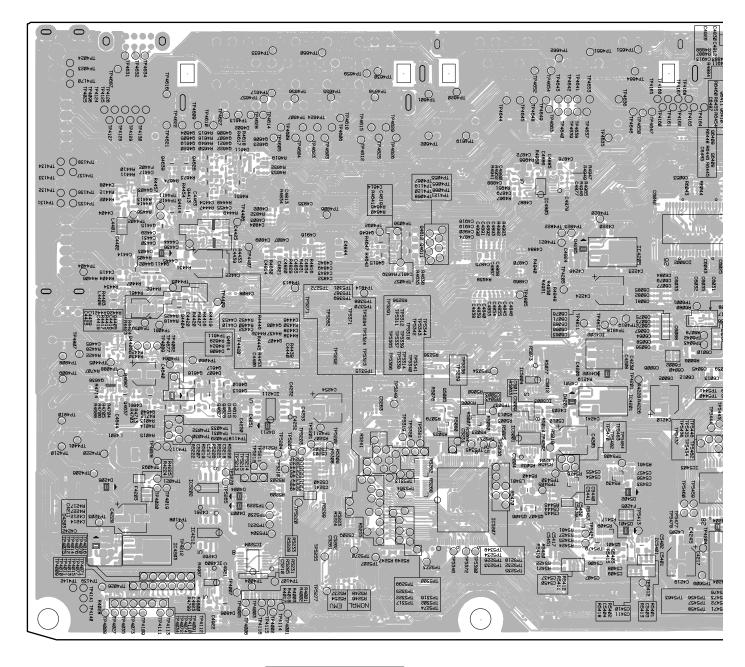
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PDP-R06XE

SIDE B

MR MAIN ASSY



62

PDP-R06XE

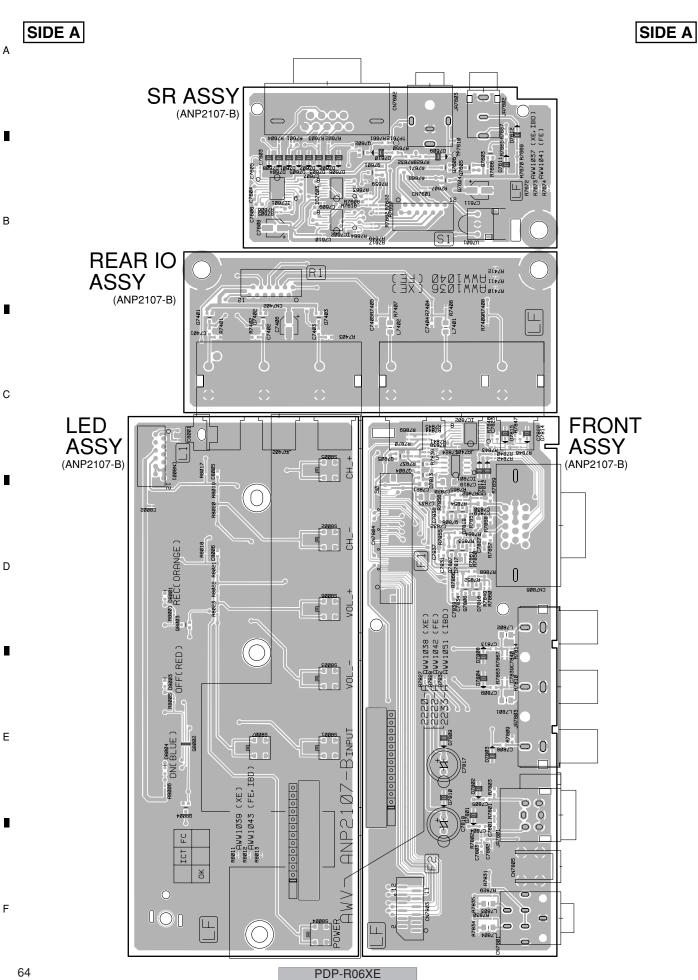
SIDE B

O 174156

(ANP2106-B)

63

PDP-R06XE

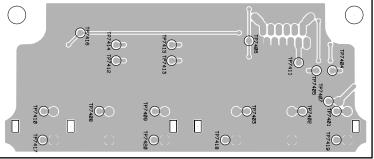


SIDE B SIDE B

6

SR ASSY (ANP2107-B)

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REAR IO ASSY (ANP2107-B)

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TP8Ø1Ø TP8Ø22

TP8011

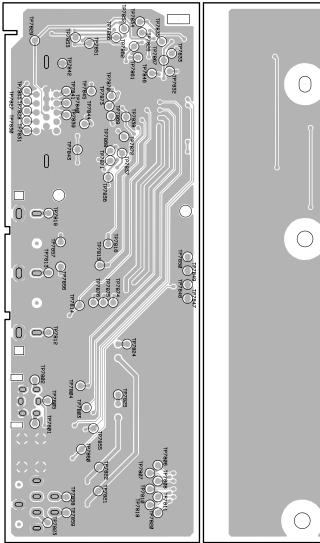
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TP8821

P8012 TP8018 TP8019 TP8020

FRONT ASSY (ANP2107-B)

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LED ASSY (ANP2107-B)

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PDP-R06XE

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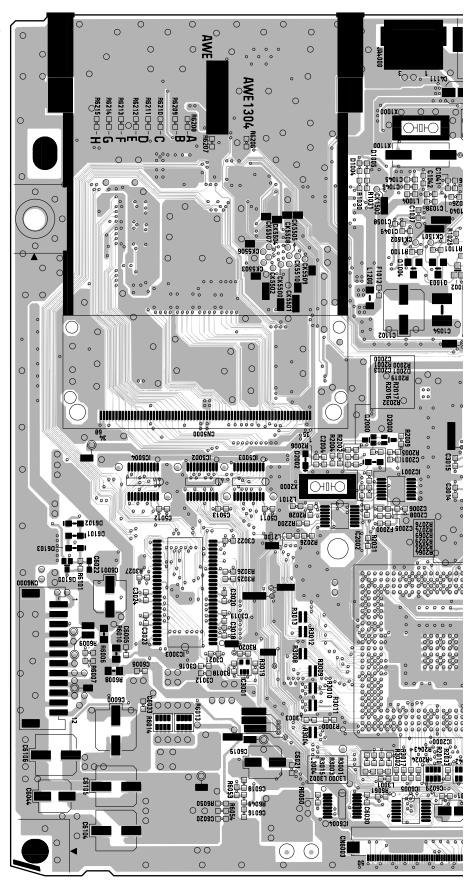
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4.3 R06 D-TUNER ASSY

SIDE A

В

R06 D-TUNER ASSY



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PDP-R06XE

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SIDE A 0 00 0 0 (XNP1013-C)

PDP-R06XE

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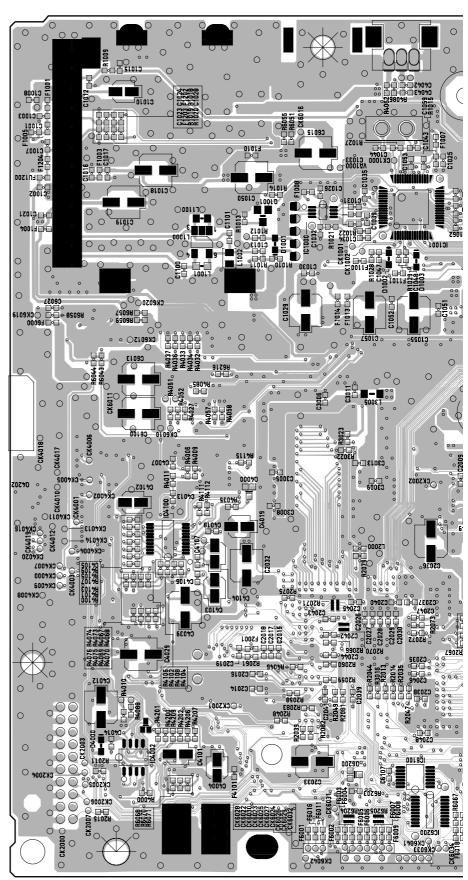
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SIDE B

R06 D-TUNER ASSY



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PDP-R06XE

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Pioneer sound.vision.soul

Service Manual



ORDER NO. ARP3275

MEDIA RECEIVER

PDP-R06XE PDP-R06FE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Туре	Power Requirement	Remarks
PDP-R06XE	WYVIXK5	AC220-240V	
PDP-R06FE	WYVI5	AC220-240V	
PDP-R06FE	WYVIXK5	AC220-240V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-R06XE, PDP-R06FE	ARP3276	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM



For details, refer to "Important Check Points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely you, should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

В

D

Ε

This product contains and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety CodeSection 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to evironmental considerations. For disposal or recycling information, please contact your local authoritier of the Electronice Industries Alliance: www.eiae.org.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols - (fast operating fuse) and/or - (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible — (fusible de type rapide) et/ou — (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

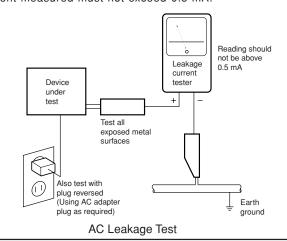
(FOR USA MODEL ONLY) -

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1 Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

● PDP-R06XE model

Item			Media Receiver, Model: PDP-R06XE		
Colour System	1	Analogue	PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60		
TV Function Receiving System		Digital	PAL/SECAM PAL/SECAM		
TV Function	Receiving System		B/G, D/K, I, L/L'		
(Analogue)	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch		
		CATV	Hyper-band, S1-S41ch		
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort		
	STEREO		NICAM/A2		
TV Function (Digital)	Receiving System		DVB-T (2K/8K COFDM)		
	Tuner	VHF/UHF	VHF Band III (170 to 230 MHz) and UHF Band IV, V (470 to 862 MHz)		
	Auto Channel Preset		999 ch, Auto Preset, Auto Label, Auto Sort		
	STEREO		MPEG layer I/II, Dolby Digital		
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)		
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video		
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2		
		INPUT4	HDMI in *2		
		Antenna	75 Ω Din Type for VHF/UHF in (Analogue)		
			75 Ω Din Type for VHF/UHF in (Digital)		
			75 Ω Din Type for VHF/UHF out (Digital)		
	Front	INPUT5	S-VIDEO, AV in (Audio input is shared with PC INPUT.)		
		PC	Analog RGB in		
		PC CARD	PCMCIA Type II		
AUDIO OUTPI	UT Terminal	(Rear)	AUDIO out (Fixed)		
SUB WOOFER	R OUTPUT Terminal	(Rear)	Variable		
PHONES OUT	TPUT Terminal	(Front)	16–32 Ω recommended		
DIGITAL OUT Terminal			Digital audio output (Optical)		
COMMON INTERFACE (Rear)		(Rear)	CA Module		
Power Require	ement		220-240 V AC , 50/60 Hz, 25 W (0.7 W Standby: Aerial Power Off)		
Dimensions			420 (W) x 90 (H) x 299 (D) mm		
Weight			4.3 kg		

^{*1:} Switchable

• Design and specifications are subject to change without notice.

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^{*2:} This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable.

HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

● PDP-R06FE model

	Item		Media Receiver, Model: PDP-R06FE	
Colour Syster	Colour System		PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	Receiving System		B/G, D/K, I, L/L'	
	Tuner	VHF/UHF	E2-E69ch, F2-F10ch, I21-I69ch, IR A-IR Jch	
		CATV	Hyper-band, S1–S41ch	
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort	
	STEREO		NICAM/A2	
Terminals	Rear	INPUT1	SCART (AV in, RGB in, TV out)	
		INPUT2	SCART (AV in/out, S-VIDEO in, AV link *1) Component Video	
		INPUT3	SCART (AV in/out, S-VIDEO in, RGB in, AV link *1), HDMI in *2	
		Antenna	75 Ω Din Type for VHF/UHF in	
	Front INPUT4		S-VIDEO, AV in	
AUDIO OUTF	PUT Terminal	(Rear)	AUDIO out (FIX)	
Power Requirement			220–240 V AC , 50/60 Hz, 16 W (0.4 W Standby)	
Dimensions			420 (W) x 90 (H) x 299 (D) mm	
Weight			3.5 kg	

*1: Switchable

*2: This conforms to HDMI1.1 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable. HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

Design and specifications are subject to change without notice.

Trademarks

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- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC
- The names of companies or institutions are trademarks or registered trademarks of the respective companies or institutions.

Dry Cell Battery (R6P, AA)

(For UK and Eire)

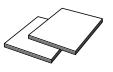
Only the power cord that is appropriate in your country or region is supplied.

Power cord (2 m)



System cable (3 m) (ADF1027)

Remote control unit (PDP-R06XE : AXD1509) (PDP-R06FE : AXD1491)



Two operating instructions

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PDP-R06XE

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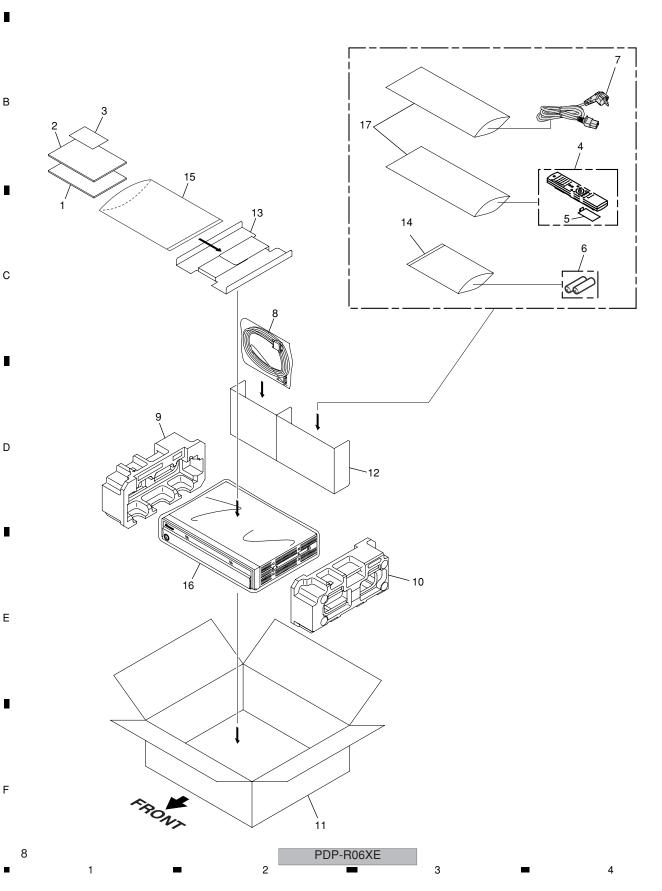
2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING SECTION

Α



(1) PACKING SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.
1	Operating Instructions	See Contrast table (2)
	(Italian, Dutch, Spanish)	
2	Operating Instructions	See Contrast table (2)
	(English, French, German)	
3	Caution Card (10L)	ARM1276
4	Remote Control Unit	See Contrast table (2)
5	Battery Cover	See Contrast table (2)
NSP 6	Dry Cell Battery (R6P, AA)	See Contrast table (2)
<u>↑</u> 7	Power Cord	ADG1214
8	System Cable (3m)	ADF1027
9	Pad L	See Contrast table (2)
10	Pad R	See Contrast table (2)
11	Carton	See Contrast table (2)
12	Accessory Carton	See Contrast table (2)
13	Manual Case	See Contrast table (2)
14	Polyethylene Bag	AHG1337
NSP 15	Catalogue Bag	AHG1340
16	Laminate Sheet	AHG1350
17	Air Cap Bag	AHG1351

(2) CONTRAST TABLE

PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

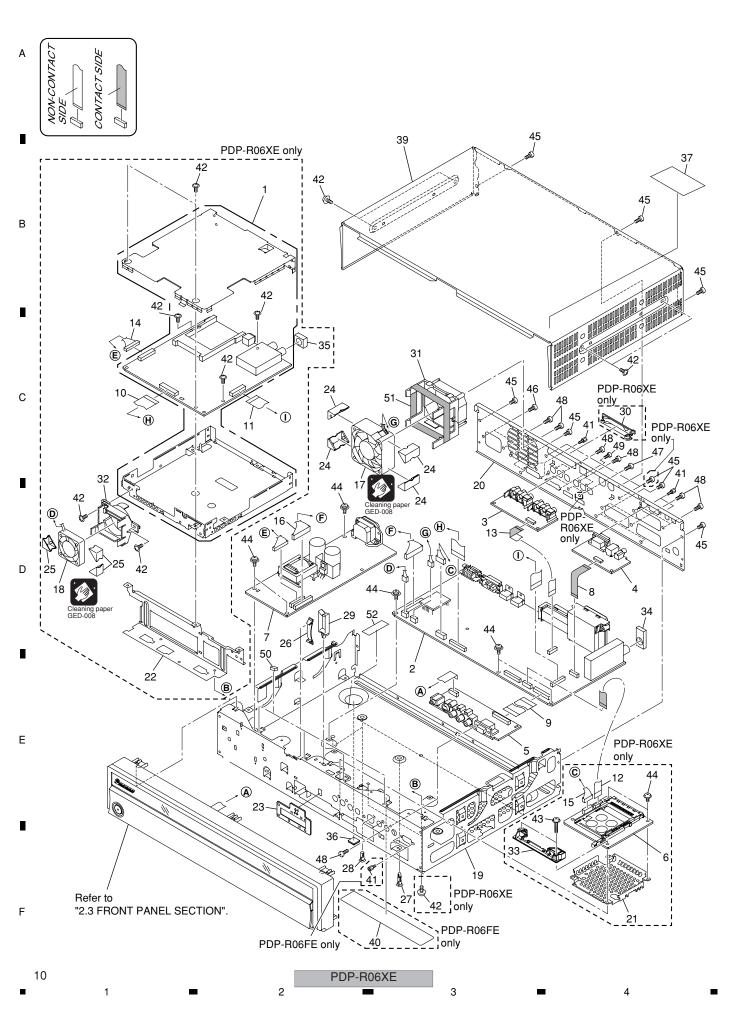
Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	Operating Instructions (Italian, Dutch, Spanish)	ARC1548	ARC1543	ARC1544
	2	Operating Instructions (English, French, German)	ARE1400	ARE1395	ARE1396
	4	Remote Control Unit	AXD1509	AXD1491	AXD1491
	5	Battery Cover	AZN7919	AZN7424	AZN7424
NSP	6	Dry Cell Battery (R6P, AA)	VEM1017	VEM1031	VEM1017
	9	Pad L	AHA2445	AHA2443	AHA2445
	10	Pad R	AHA2446	AHA2444	AHA2446
	11	Carton EA	AHD3354	Not used	Not used
	11	Carton E1	Not used	AHD3353	Not used
	11	Carton E2	Not used	Not used	AHD3356
	12	Accessory Carton E	AHD3359	Not used	AHD3359
	12	Accessory Carton J	Not used	AHD3422	Not used
	13	Manual Case	AHD3424	AHD3427	AHD3424

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PDP-R06XE

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2.2 EXTERIOR SECTION



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(1) EXTERIO	R SECTION	PARTS I	IST

Mark	No.	<u>Description</u>	Part No.	Mark 1	<u> No.</u>	<u>Description</u>	Part No.	
	1	R06 D-TUNER Assy	See Contrast table (2)		27	Circuit Board Spacer	AEC1969	
<u> </u>	2	MR MAIN Assy	See Contrast table (2)		28	Circuit Board Spacer	AEC2028	Α
	3	REAR IO Assy	See Contrast table (2)		29	Re-used Wire Saddle	AEC2038	^
	4	SR Assy	See Contrast table (2)		30	Rear Cover	See Contrast table (2)	
	5	FRONT Assy	See Contrast table (2)					
					31	Fan Holder 60	AMR3451	
	6	PC CARD Module	See Contrast table (2)		32	Fan Holder 40	See Contrast table (2)	
<u> </u>	7	POWER SUPPLY Unit	AXY1114		33	PC Guide	See Contrast table (2)	
	8	Flexible Cable (J208)	ADD1213		34	Gasket M	ANK1774	
	9	Flexible Cable (J201)	ADD1305	<u> </u>	35	Gasket N	See Contrast table (2)	
	10	Flexible Cable (J202)	See Contrast table (2)					
					36	Rubber Foot	VEB1349	
	11	Flexible Cable (J205)	See Contrast table (2)		37	Caution Label	See Contrast table (2)	В
	12	Flexible Cable (J206)	See Contrast table (2)		38	WEEE Label L	AAX3198	
	13	Flexible Cable (J209)	ADD1310		39	Metal Bonnet	See Contrast table (2)	
	14	12P Housing Wire (J102)	See Contrast table (2)		40	Bottom Cover	See Contrast table (2)	
	15	6P Housing Wire (J103)	See Contrast table (2)					
					41	HEX Head Screw	BBA1051	_
	16	16P Housing Wire (J101)	ADX3191		42	Screw	ABZ30P060FTC	
<u> </u>	17	Fan Motor (60 x 25L)	AXM1045		43	Screw	See Contrast table (2)	
<u> </u>	18	Fan Motor (42 x 10.5L)	See Contrast table (2)		44	Screw	BBB30P080FTC	
	19	Base Chassis	See Contrast table (2)		45	Screw	BBZ30P060FTB	
	20	Terminal Panel	See Contrast table (2)					
					46	Screw	BBZ30P100FTC	С
<u> </u>	21	PC Shield	See Contrast table (2)		47	Screw	BMZ30P060FTC	
	22	Frame B	See Contrast table (2)		48	Screw	BPZ30P080FTB	
<u> </u>	23	Shield Plate	See Contrast table (2)		49	Screw	PMZ26P060FTB	
	24	Floating Rubber 60	AEB1410		50	Front Panel Spacer	AEB1429	
	25	Floating Rubber 40	See Contrast table (2)					
					51	TERAOKA No.570F 16mm(W)	GYH1001	_
	26	Flat Clamp	AEC1858					

(2) CONTRAST TABLE
PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

Mark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5	
	1	R06 D-TUNER Assy	AWE1304	Not used	Not used	
\triangle	2	MR MAIN Assy	AWV2219	AWV2221	AWV2221	
	3	REAR IO Assy	AWW1036	AWW1040	AWW1040	
	4	SR Assy	AWW1037	AWW1041	AWW1041	
	5	FRONT Assy	AWW1038	AWW1042	AWW1042	
	6	PC CARD Module	AXY1073	Not used	Not used	
	10	Flexible Cable (J202)	ADD1306	Not used	Not used	
	11	Flexible Cable (J205)	ADD1307	Not used	Not used	
	12	Flexible Cable (J206)	ADD1308	Not used	Not used	
	14	12P Housing Wire (J102)	ADX3138	Not used	Not used	
	15	6P Housing Wire (J103)	ADX3139	Not used	Not used	
<u> </u>	18	Fan Motor (42 x 10.5L)	AXM1050	Not used	Not used	
	19	Base Chassis J	ANA1891	Not used	Not used	
	19	Base Chassis	Not used	ANA1868	ANA1868	
	20	Terminal Panel EA	ANC2375	Not used	Not used	
	20	Terminal Panel EB1	Not used	ANC2373	Not used	
	20	Terminal Panel EB2	Not used	Not used	ANC2374	
<u> </u>	21	PC Shield	ANG2578	Not used	Not used	
	22	Frame B	ANG2792	Not used	Not used	

PDP-R06XE

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Mark	N o.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
<u> </u>	23	Shield Plate	ANG2838	Not used	Not used
	25	Floating Rubber 40	AEB1413	Not used	Not used
	30	Rear Cover	AMR3425	Not used	Not used
	32	Fan Holder 40	AMR3453	Not used	Not used
	33	PC Guide	AMR3468	Not used	Not used
<u> </u>	35	Gasket N	ANK1776	Not used	Not used
	37	Caution Label	AAX3196	Not used	Not used
	39	Metal Bonnet	ANE1653	Not used	Not used
	39	Metal Bonnet FE	Not used	ANE1652	ANE1652
	40	Bottom Cover	Not used	AAX3223	AAX3221
	42	Screw	ABZ30P060FTC	ABZ30P060FTB	ABZ30P060FTB
	43	Screw	ABZ30P180FTC	Not used	Not used
	52	Label	AAX3247	Not used	Not used

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PDP-R06XE

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• Pasting up location WEEE Label (No.38)

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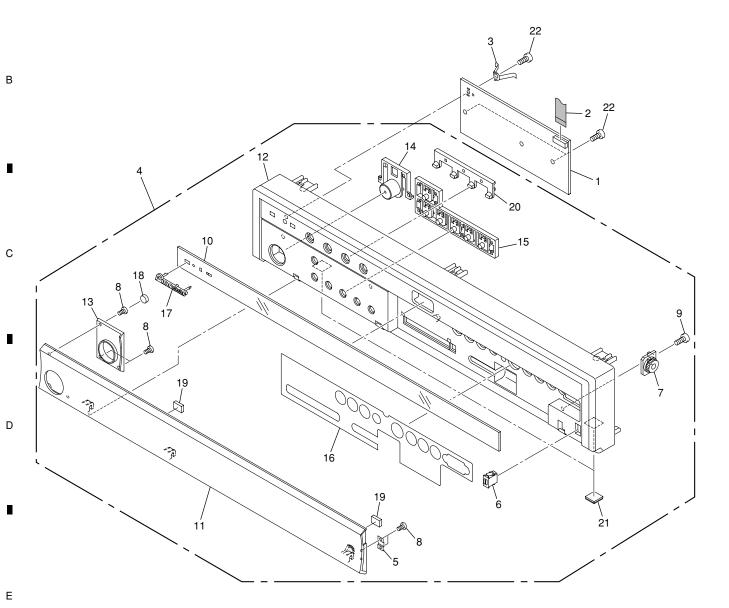
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PDP-R06XE

2.3 FRONT PANEL SECTION

NOW-CONTACT
SIDE
CONTACT SIDE



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PDP-R06XE

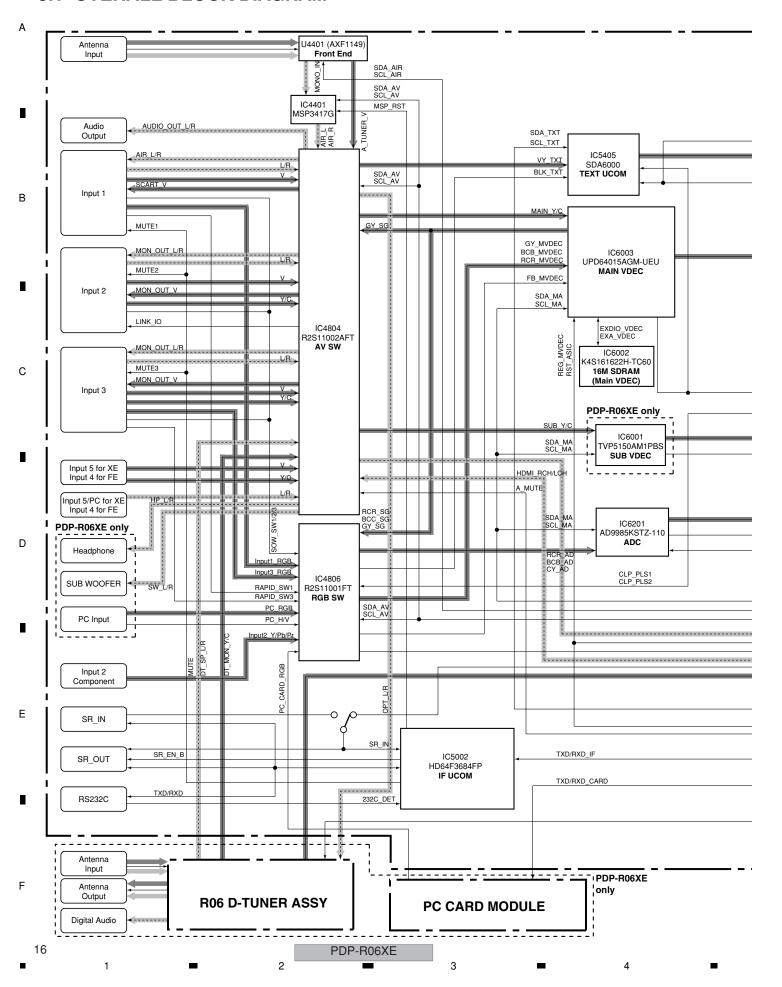
(1) FRONT PANEL SECTION PARTS LIST

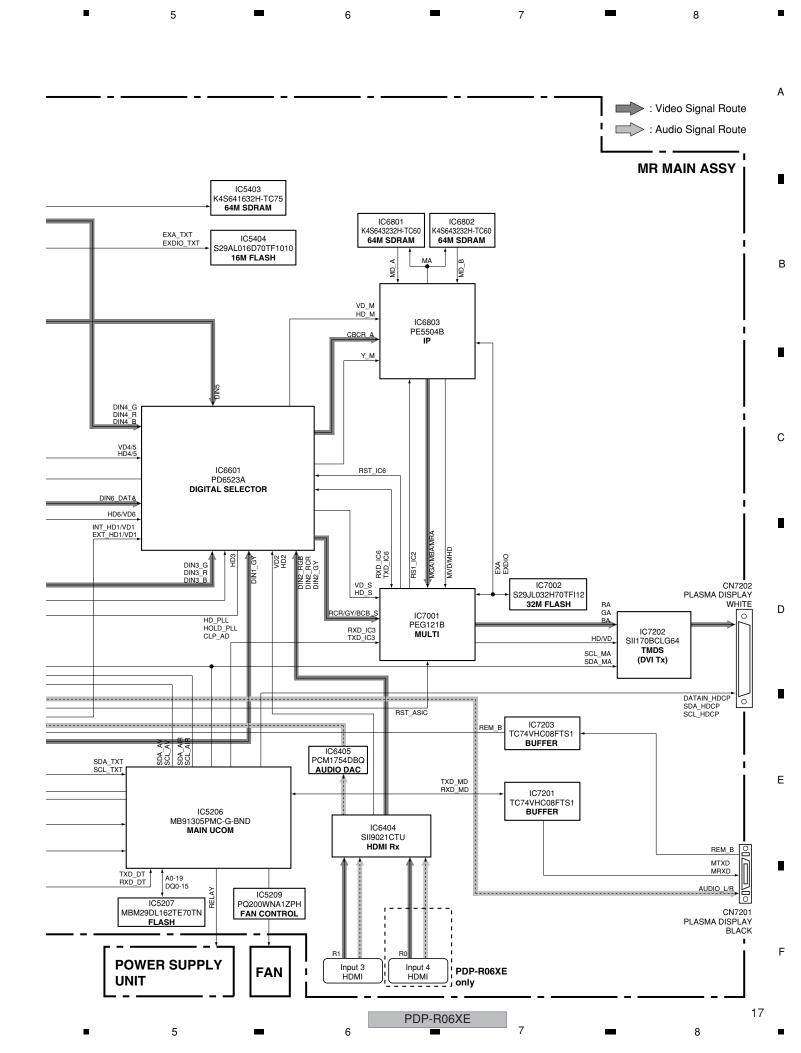
Mark No.	<u>Description</u>	Part No.	
1	LED Assy	See Contrast table (2)	
2	Flexible Cable (J207)	ADD1309	Α
<u> </u>	Earth Metal	BNG1336	^
4	Front Panel Assy	See Contrast table (2)	
5	Magnet Catcher	ANG2820	
6	Magnet Holder Assy	AEC1077	
7	Gear Damper	AXA1019	
8	Screw (2 x 3.5)	ABA1329	
9	Screw	BPZ30P080FTB	
10	Indicator Panel	See Contrast table (2)	
11	Door	See Contrast table (2)	В
12	Front Panel	See Contrast table (2)	
13	Escutcheon Ring	AAD4134	
NSP 14	Power Button	AAD4135	
NSP 15	Operation Button	AAD4136	
16	Sealing Sheet	See Contrast table (2)	
17	Pioneer Name Plate	AAM1107	
18	Door Cushion	AEB1412	
19	Door Cushion S	See Contrast table (2)	
NSP 20	LED Lens	AMR3452	_
21	Rubber Foot	VEB1349	С
22	Screw	BPZ30P080FTB	

(2) CONTRAST TABLE PDP-R06XE/WYVIXK5, PDP-R06FE/WYVI5 and WYVIXK5 are constructed the same except for the following:

Mark	No.	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1	LED Assy	AWW1039	AWW1043	AWW1043
	4	Front Panel Assy XE	AXG1030	Not used	Not used
	4	Front Panel Assy FE	Not used	AXG1029	AXG1029
	10	Indicator Panel (XE)	AAK2841	Not used	Not used
	10	Indicator Panel (FE)	Not used	AAK2840	AAK2840
	11	Door (XE)	AAN1479	Not used	Not used
	11	Door (FE)	Not used	AAN1478	AAN1478
	12	Front Panel (XE)	AMB2863	Not used	Not used
	12	Front Panel (FE)	Not used	AMB2862	AMB2862
	16	Sealing Sheet (XE)	AAL2665	Not used	Not used
	16	Sealing Sheet (FE)	Not used	AAL2664	AAL2664
	19	Door Cushion S	AEB1425	Not used	Not used
	19	Door Cushion S (UE)	Not used	AEB1426	AEB1426

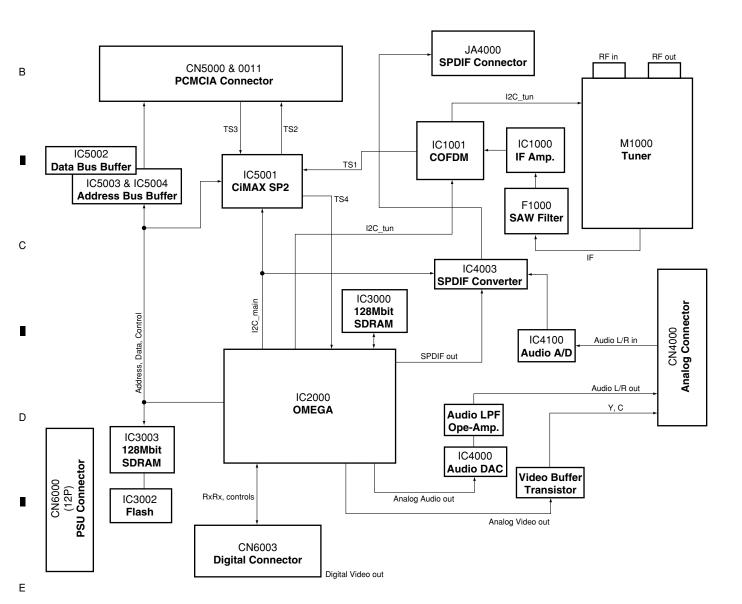
3.1 OVERALL BLOCK DIAGRAM





R06 D-TUNER ASSY

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PDP-R06XE

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POWER SUPPLY UNIT

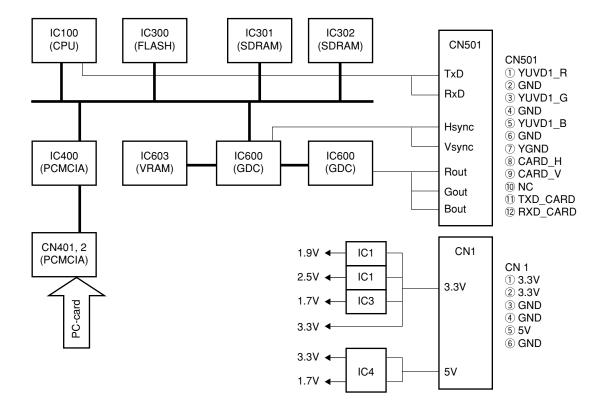
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PC CARD MODULE



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PDP-R06XE

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FRONT ASSY MR MAIN AS			ASSY	
CN	7804 (AKM1236)	Voltage	CN4001 (AKM12	36)
No.	Name	(V)	Name	No.
50	V+9V_A	9.0	V+9V_A	1
49	V+5V_A	5.0	V+5V_A	2
48	V+3_3V_UCOM2	3.4	V+3_3V_UCOM2	3
47	WE_RDM	0	WE_RDM	4
46	GND	0	GND	5
45	INPUT5_R	4.5	INPUT5_R	6
44	GND	0	GND	7
43	INPUT5 L	4.5	INPUT5 L	8
42	GND	0	GND	9
41	INPUT5 V	2.5	INPUT5 V	10
40	GND	0	GND	11
39	INPUT5 S2	0	INPUT5 S2	12
38	INPUT5_SPLUG	5.0	INPUT5 SPLUG	13
37	GND	0	GND	14
36	INPUT5 C	2.2	INPUT5 C	15
35	GND	0	GND	16
34	INPUT5 Y	2.5	INPUT5 Y	17
33	GND	0	GND	18
32	GND	0	GND	19
31	HP L	2.1	HP L	20
30	GND	0	GND	21
29	GND	0	GND	22
28	HP R	2.1	HP R	23
27	GND	0	GND	24
26	GND	0	GND	25
25	NC	0	NC	26
24	HP PLUG	0	HP PLUG	27
23	GND	0	GND	28
22	GND	0	GND	29
21	PC R	2.5	PC R	30
20	GND	0	GND	31
19	PC B	2.5	PC B	32
18	GND	0	GND	33
17	PC G	2.5	PC G	34
16	GND	0	GND	35
15	PC_H	0	PC_H	36
14	GND	0	GND	37
13	PC V	0	PC V	38
12	GND	0	GND	39
11	GND	0	GND	40
10	GND	0	GND	41
9	GND	0	GND	42
8	KEY AD2	3.4	KEY AD2	43
7	KEY AD1	3.4	KEY AD1	44
6	LED REC	3.4	LED REC	45
5	V+5 1V STB	5.1	V+5 1V STB	46
4	GND	0	GND	46
3	LED OFF	3.4	LED OFF	47
				-
1	LED_ON	0	LED_ON	49
	V+3_3V_STB	3.4	V+3_3V_STB	50

SSY		MR MAIN A	ASSY
7601 (CKS3826)	Voltage	CN4008 (AKM12	233)
Name	(V)	Name	No.
V+5_1_STB	5.1	V+5_1_STB	1
V+3_3_STB	3.4	V+3_3_STB	2
TXD	3.4	TXD	3
RXD	3.4	RXD	4
232C_DET	0	232C_DET	5
SR_EN_B	3.4	SR_EN_B	6
GND	0	GND	7
REM_B	3.4	REM_B	8
SR_IN	3.4	SR_IN	9
GND	0	GND	10
NC	-	NC	11
GND	0	GND	12
	7601 (CKS3826) Name V+5_1_STB V+3_3_STB TXD RXD 232C_DET SR_EN_B GND REM_B SR_IN GND NC	7601 (CKS3826) Voltage (V) Name (V) V+5_1_STB 5.1 V+3_3_STB 3.4 TXD 3.4 RXD 3.4 232C_DET 0 SR_EN_B 3.4 GND 0 REM_B 3.4 SR_IN 3.4 GND 0 NC -	Total CKS3826 Voltage CN4008 (AKM12 Name V+5_1_STB 5.1 V+5_1_STB V+3_3_STB 3.4 V+3_3_STB TXD 3.4 TXD 3.4 RXD RXD 232C_DET 0 232C_DET SR_EN_B 3.4 SR_EN_B GND 0 GND REM_B 3.4 SR_IN GND 0 GND CNC CNC

REA	R IO ASSY		MR MAIN A	SSY
CN	7402 (CKS3826)	Voltage	CN4008 (AKM12	33)
No.	Name	(V)	Name	No.
12	INPUT2_Y	2.5	INPUT2_Y	1
11	INPUT2_PULG	0	INPUT2_PULG	2
10	V+5V_A	5.0	V+5V_A	3
9	INPUT2_PB	2.5	INPUT2_PB	4
8	GND	0	GND	5
7	INPUT2_PR	2.5	INPUT2_PR	6
6	GND	0	GND	7
5	AUDIO_OUT_L	0	AUDIO_OUT_L	8
4	GND	0	GND	9
3	AUDIO_OUT_R	0	AUDIO_OUT_R	10
2	GND	0	GND	11
1	SW_OUT	0	SW_OUT	12

MR N	MR MAIN ASSY POWER SUPPLY			UNIT
CN4	006 (KM200NA16)	Voltage	CN101 (B16B-PH-	·K-S)
No.	Name	(V)	Name	No.
16	V+35V	35.8	V+35V	16
15	GND	0	GND	15
14	V+17V	0	V+17V	14
13	GND	0	GND	13
12	V+12V	12.2	V+12V	12
11	GND	0	GND	11
10	V+6_8V	6.6	V+6_8V	10
9	GND	0	GND	9
8	V+5_1V	5.1	V+5_1V	8
7	V+5_1V	5.1	V+5_1V	7
6	V+5_1V_STB	5.1	V+5_1V_STB	6
5	GND	0	GND	5
4	V+3_3V_STB	3.4	V+3_3V_STB	4
3	GND	0	GND	3
2	RELAY	3.4	RELAY	2
1	AC_DET	3.4	AC_DET	1

	D-TUNER ASSY		MR MAIN ASSY		
_	6003 (AKM1236)	Voltage	CN4004 (AKM12		
No.	Name	(V)	Name	No.	
50	GND	0	GND	50	
49	HD_DT	3.3	HD_DT	49	
48	GND	0	GND	48	
47	VD_DT	3.3	VD_DT	47	
46	GND	0	GND	46	
45	DE_DT	0	DE_DT	45	
44	GND	0	GND	44	
43	GND	0	GND	43	
42	GND	0	GND	42	
41	GND	0	GND	41	
40	GND	0	GND	40	
39	GND	0	GND	39	
38	GND	0	GND	38	
37	GND	0	GND	37	
36	GND	0	GND	36	
35	GND	0	GND	35	
34	GND	0	GND	34	
33	GND	0	GND	33	
32	GND	0	GND	32	
31	GND	0	GND	31	
30	GND	0	GND	30	
29	GND	0	GND	29	
28	GND	0	GND	28	
27	GND	0	GND	27	
26	GND	0	GND	26	
25	GND	0	GND	25	
24	GND	0	GND	24	
23	GND	0	GND	23	
22	NC	-	NC	22	
21	NC	-	NC	21	
20	GND	0	GND	20	
19	Y0_DT	0 to 3.3	Y0_DT	19	
18	Y1_DT	0 to 3.3	Y1_DT	18	
17	GND	0	GND	17	
16	Y2_DT	0 to 3.3	Y2_DT	16	
15	Y3_DT	0 to 3.3	Y3_DT	15	
14	GND	0	GND	14	
13	Y4_DT	0 to 3.3	Y4_DT	13	
12	Y5_DT	0 to 3.3	Y5_DT	12	
11	GND	0	GND	11	
10	Y6_DT	0 to 3.3	Y6_DT	10	
9	Y7_DT	0 to 3.3	Y7_DT	9	
8	GND	0	GND	8	
7	CLK_DT	0 to 3.3	CLK_DT	7	
6	GND	0	GND	6	
5	DT_FNC	3.3	DT_FNC	5	
4	GND	0	GND	4	
3	RXD_DT	3.3	RXD_DT	3	
2	TXD_DT	3.3	TXD_DT	2	
1	GND	0	GND	1	

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CN6000 (AKM1298)		Voltage	CN102 (B12B-PH	-K-S)
No.	Name	(V)	Name	No.
1	V+35V	35.8	V+35V	1
2	GND	0	GND	2
3	V+17V	0	V+17V	3
4	GND	0	GND	4
5	V+12V	12.2	V+12V	5
6	GND	0	GND	6
7	V+6.8V	6.6	V+6.8V	7
8	V+5.1V_STB	5.1	V+5.1V_STB	8
9	V+5.1V	5.1	V+5.1V	9
10	V+5.1V	5.1	V+5.1V	10
11	GND	0	GND	11
12	V+3.3V STB	3.4	V+3.3V STB	12

FAN			MR MAIN A	ISSY
		Voltage	CN4007 (AKM12	74)
No.	Name	(V)	Name	No.
_	-	6.5	FAN_VCC	1
_	-	0	FAN_NG2	2
_	-	0	GND	3

FAN MR MAIN ASS					
		Voltage	CN4009 (AKM1	274)	
No.	Name	(V)	Name	No.	
-	-	6.5	FAN_VCC	1	
-	-	0	FAN_NG1	2	
-	-	0	GND	3	

FRO	NT ASSY		LED A	ASSY
CN	7803 (AKM1233)	Voltage	CN8001 (CKS38	28)
No.	Name	(V)	Name	No.
1	GND	0	GND	12
2	GND	0	GND	11
3	GND	0	GND	10
4	GND	0	GND	9
5	KEY_AD2	3.4	KEY_AD2	8
6	KEY_AD1	3.4	KEY_AD1	7
7	LED_REC	3.4	LED_REC	6
8	V+5_1V_STB	5.1	V+5_1V_STB	5
9	GND	0	GND	4
10	LED_R	3.4	LED_R	3
11	LED_G	0	LED_G	2
12	V+3_3V_STB	3.4	V+3_3V_STB	1

CN	4005 (AKM1303)	Voltage	CN4000 (AKM12	217)
No.	Name	(V)	Name	No
40	GND	0	GND	40
39	DT_DET	0	DT_DET	39
38	RST_DT	3.3	RST_DT	38
37	NOT USE	0	NOT USE	37
36	ANT_POW_EU	0	ANT_POW_EU	36
35	GND	0	GND	35
34	GND	0	GND	34
33	NOT_USE	0	NOT_USE	33
32	GND	0	GND	32
31	GND	0	GND	31
30	NOT_USE	0	NOT_USE	30
29	GND	0	GND	29
28	GND	0	GND	28
27	NOT_USE	0	NOT_USE	27
26	GND	0	GND	26
25	GND	0	GND	25
24	GND	0	GND	24
23	GND	0	GND	23
22	GND	0	GND	22
21	GND	0	GND	21
20	GND	0	GND	20
19	GND	0	GND	19
18	DT_MON_Y	1.8	DT_MON_Y	18
17	GND	0	GND	17
16	GND	0	GND	16
15	DT_MON_C	1.8	DT_MON_C	15
14	GND	0	GND	14
13	OPT_L	0	OPT_L	13
12	GND	0	GND	12
11	OPT_R	0	OPT_R	11
10	GND	0	GND	10
9	DT_SP_L	0	DT_SP_L	9
8	GND	0	GND	8
7	DT_SP_R	0	DT_SP_R	7
6	GND	0	GND	6
5	GND	0	GND	5
4	GND	0	GND	4
3	GND	0	GND	3
2	GND	0	GND	2
1	GND	0	GND	1

MR N	IAIN ASSY		PC CARD MO	DULE
CN4	4003 (AKM1233)	Voltage	CN501 (HFW12S-25	STE1)
No.	Name	(V)	Name	No.
1	RXD_CARD	3.3	RXD_CARD	12
2	TXD_CARD	3.3	TXD_CARD	11
3	NC	0	NC	10
4	PC_CARD_V	3.3	PC_CARD_V	9
5	PC_CARD_H	3.3	PC_CARD_H	8
6	GND	0	GND	7
7	GND	0	GND	6
8	PC_CARD_B	0	PC_CARD_B	5
9	GND	0	GND	4
10	PC_CARD_G	0	PC_CARD_G	3
11	GND	0	GND	2
12	PC_CARD_R	0	PC_CARD_R	1

MR MAIN ASSY			PC CARD MODULE	
CN4002 (AKM1277)		Voltage	CN1 (BBB-PH-SM3)	
No.	Name	(V)	Name	No.
6	GND	0	GND	6
5	V+5V_CARD	5.0	V+5V_CARD	5
4	GND	0	GND	4
3	GND	0	GND	3
2	V+3_3V_CARD	3.3	V+3_3V_CARD	2
1	V+3_3V_CARD	3.3	V+3_3V_CARD	1

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Refer to service manual (ARP3276).

Note: The encircled numbers denote measuring point in the schematic diagram.

MR MAIN ASSY

Α

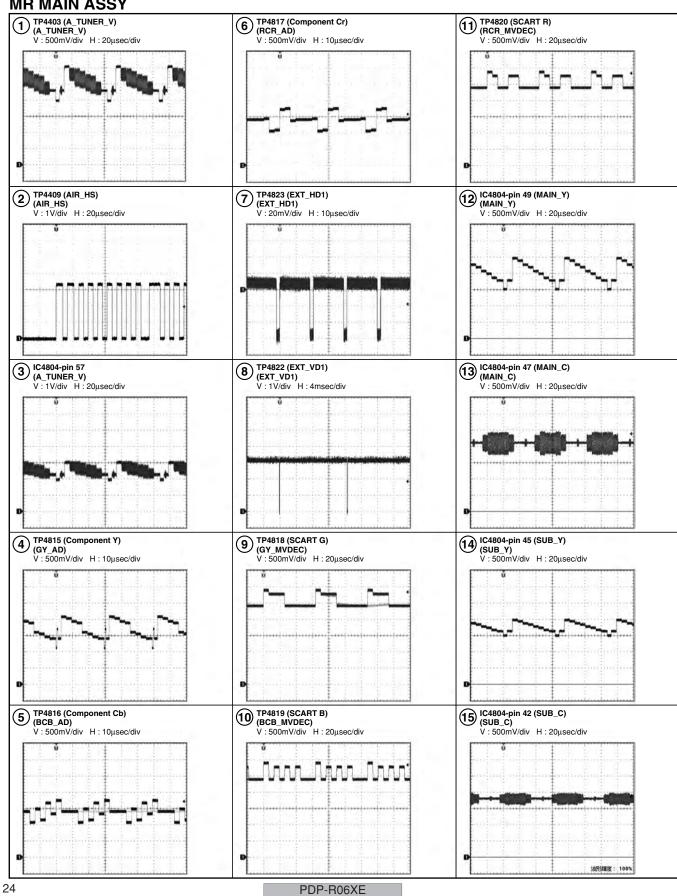
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NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

• When ordering resistors, first convert resistance values into code form as shown in the following examples. Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k \Omega \rightarrow 562 \times 10^{1} \rightarrow 5621 \dots RN1/4PC[5][6][2][1F]$

■ LIST OF HOLE PCB ASSEMBLIES

Mark	Symbol and Description	PDP-R06XE /WYVIXK5	PDP-R06FE /WYVI5	PDP-R06FE /WYVIXK5
	1R06 D-TUNER ASSY	AWE1304	Not used	Not used
<u> </u>	1MR MAIN ASSY	AWV2219	AWV2221	AWV2221
NSP 1	1MR FUKUGO ASSY	AWV2220	AWV2222	AWV2222
	2REAR IO ASSY	AWW1036	AWW1040	AWW1040
	2SR ASSY	AWW1037	AWW1041	AWW1041
	2FRONT ASSY	AWW1038	AWW1042	AWW1042
	2LED ASSY	AWW1039	AWW1043	AWW1043
<u> </u>	1POWER SUPPLY UNIT	AXY1114	AXY1114	AXY1114

■ FOR PDP-R06XE

Mark No. Description	Part No.	Mark No.	Description	Part No.	
R06 D-TUNER ASSY		C1004,C1055		CEHVKW101M6R3	
		C1010		CEHVKW2R2M50	
[TUNER BLOCK]		C1102		CEHVKW331M6R3	
<u>SEMICONDUCTORS</u>		C1018,C1027,	C1029,C1050	CEHVKW470M16	
IC1001	STV0361L	C1056,C1057		CEHVKW470M16	
IC1000	UPC3221GV				D
Q1001	2SC2412K	C1015		CKSRYB102K50	
Q1002	DTC124EUA	C1013,C1021,	C1040,C1041,C1045	CKSRYB103K50	
Q1003,Q1004	RK7002	C1001-C1003,	,C1017,C1022	CKSRYB104K16	
		C1025,C1026,	C1030-C1035,C1037	CKSRYB104K16	
D1001	1SS355	C1039,C1049,	C1053,C1058-C1062	CKSRYB104K16	
⚠ D1000	SM15T6V8A				
		C1036		CKSRYB105K10	
COILS AND FILTERS					
L1002	LCYAR82J2520	RESISTORS			
F1001,F1003-F1010 FERRITE BEAD	VTF1091	All Resistors		RS1/16S###J	
F1012-F1014 FERRITE BEAD	VTF1091				
F1100,F1101 FERRITE BEAD	VTF1091	OTHERS			
F1202-F1204 FERRITE BEAD	VTF1091		P FUSE (0.25A)	XEK1003	Ε
		X1100 CRYS	,	XSS1010	
F1000 SAW FILTER	XTF1002	71100 01110	, i, (E (E / i viii i E)	7,001010	
L1200 CHIP FERRITE BEAD	XTX1001				
L1004 CHIP FERRITE BEAD	XTX1003	[DEMUX BLC	nck1		
L1000 CHIP BALUN TRANS	XTX1005	_	_		
		SEMICONDU	ICTORS		
CAPACITORS		IC2001		SN74LVU04APW	
C1054	BCG1050	IC2000		STI5517DWAL	
C1028,C1038,C1042,C1046,C1051	CCG1205	IC2002		TC74VHC08FTS1	
C1043,C1044	CCSRCJ3R0C50	Q2000		2SC4081	
C1020	CEHVKW100M16	D2000		DA204U	
C1019	CEHVKW100M50				
01010	OZITVIKVV TOOMIOO	D2002		HVU307	F
		D2005,D2009		RB501V-40	
		D2001		UDZS8R2(B)	
		VA2002		AVR-M1608C120MT2AB	

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Mark No	D			
IVIAIR IVO	. Description	Part No.	Mark No. Description	Part No.
COILS	AND FILTERS		CAPACITORS	
•	F2003 FERRITE BEAD	VTF1091	C4000,C4002	CCG1205
	CHIP FERRITE BEAD	XTX1003	C4010,C4011,C4042	CCSRCH101J
L2000	CHIP FERRITE BEAD	X1X1003		
			C4008,C4009	CCSRCH121J
CAPAC	<u>ITORS</u>		C4007,C4013	CCSRCH220J
C2014.	C2016	CCSRCH100D50	C4019,C4102-C4104,C4108-C4113	CEHVKW100M
,	C2026,C2030	CCSRCH101J50		
C2009	02020,02000	CCSRCH330J50	C4004	CEHVKW2R2N
C2011,	C2012	CCSRCH390J50	C4012.C4022.C4023.C4029.C4039	CEHVKW470N
	02012		C4006	CKSRYB102K
C2007		CCSRCH471J50	C4001,C4014,C4032,C4033,C4038	CKSRYB103K
			C4040.C4041	CKSRYB105K
	·C2034,C2036	CEHVKW470M16	C4040,C4041	CNSHIBIUSK
	C2017,C2020,C2021	CKSRYB102K50	0.4000 0.4000 0.4000 0.4000	01/05/15/15
C2013		CKSRYB105K10	C4003,C4005,C4017,C4018,C4021	CKSRYF104Z1
C2001		CKSRYB471K50	C4024,C4043,C4105-C4107	CKSRYF104Z1
C2002,	C2003,C2005,C2006	CKSRYF104Z16		
			RESISTORS	
C2018	C2019,C2022-C2025,C2028	CKSRYF104Z16	R4042,R4045,R4046	RS1/16S2000F
	C2037-C2041,C2043-C2045	CKSRYF104Z16	Other Resistors	RS1/16S###J
C2047,		CKSRYF104Z16	Other resistors	1101/100###0
,	02040		OTHERO	
C2015		CKSRYF105Z10	<u>OTHERS</u>	
C2027,	C2029,C2042,C2046	CKSRYF223Z50	CN4000 40P CONNECTOR	AKM1217
			JA4000 OPTICAL OUT MODULE	GP1FM513TZ
C2004		CKSRYF474Z16	X4000 CRYSTAL (12.288MHz)	XSS1006
			, ,	
RESIST	ORS			
	R2018,R2042	RAB4C103J	[COMMON-INTERFACE BLOCK	71
R2070,		RAB4CQ220J		7]
,	Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>	
Other	162121012	N31/103###J	IC5001	CIMAXSP2L
			IC5000	ST890CDR
OTHER	<u>S</u>		IC5002	TC74LCX245F
X2001	CRYSTAL	ASS1172	IC5003,IC5004	TC74LCX373F
X2000	CRYSTAL (27MHz)	BSS1112	Q5000	2SC4081
			05004	DTA143EUA
[MEMO	RY BLOCK]		Q5001 Q5002	
-	RY BLOCK]		Q5001 Q5002	DTC124EUA
SEMICO	<u>ONDUCTORS</u>	V48201622E 1107E	Q5002	
SEMICO	_	K4S281632F-UC75	Q5002 CAPACITORS	DTC124EUA
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M
SEMICO IC3000	<u>ONDUCTORS</u>	K4S281632F-UC75	Q5002 CAPACITORS C5005,C5100 C5001	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000	ONDUCTORS ,IC3003	K4S281632F-UC75 XTX1001	Q5002 <u>CAPACITORS</u> C5005,C5100	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS A	ONDUCTORS I,IC3003 AND FILTERS	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001	
SEMICO IC3000 COILS A	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD		Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013	DTC124EUA CEHVKW470M CKSRYB105K1
SEMICO IC3000 COILS / L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS	DTC124EUA CEHVKW470N CKSRYB105K1 CKSRYF104Z1
SEMICO IC3000 COILS A L3005 L3003	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD	XTX1001 XTX1003	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS	XTX1001 XTX1003 CEHVKW470M16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C30000 COILS 7	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030	CEHVKW470M CKSRYB105K1 CKSRYF104Z1
SEMICO 1C30000 COILS 2	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO 1C30000 COILS 2 L3005 L3003 CAPAC C3010 C3000, C3017, C3001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR	CEHVKW470N CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS	CEHVKW470M CKSRYB105K* CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J
SEMICO IC3000 COILS A L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004-	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK]	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010	CEHVKW470M CKSRYB105K*CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K: CKSRYF104Z1 RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
COILS	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors DCK] DNDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209
SEMICO IC3000 COILS, L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	DNDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors CKI DNDUCTORS Q4002 AND FILTERS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW 2SC4081	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008 D6003,D6100-D6102	DTC124EUA CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209 1SS355
SEMICO IC3000 COILS , L3005 L3003 CAPAC C3010 C3000, C3017, C3001, C3018, RESIST R3004- Other F [AV BLO SEMICO IC4000 IC4003 IC4100 IC4002 IC4001 Q4001, COILS ,	ONDUCTORS ,IC3003 AND FILTERS CHIP FERRITE BEAD CHIP FERRITE BEAD ITORS C3003,C3007,C3008,C3012 C3020-C3022 C3002,C3004,C3014,C3015 C3019,C3023,C3024 CORS R3014 Resistors OCK] ONDUCTORS	XTX1001 XTX1003 CEHVKW470M16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF223Z50 CKSRYF223Z50 RAB4CQ470J RS1/16S###J CS4334-KS CS8406CZZ PCM1803DB RC4558D SN74LVU04APW	Q5002 CAPACITORS C5005,C5100 C5001 C5003,C5004,C5006,C5008-C5013 RESISTORS R5014,R5019,R5022,R5024,R5030 R5032,R5036-R5038,R5045-R5050 Other Resistors OTHERS CN5000 PCMCIA CONNECTOR [POWER BLOCK] SEMICONDUCTORS IC6002 IC6003 IC6001 IC6200 Q6006 Q6100 Q6003,Q6005,Q6010 Q6001,Q6009,Q6011,Q6200 Q6008	CEHVKW470M CKSRYB105K1 CKSRYF104Z1 RAB4CQ470J RAB4CQ470J RS1/16S###J XKP1003 BA05FP FPF2002 M5291FP TC74LCX245F 2SB1188 2SC4081 DTA143EUA DTC124EUA TPC8209

PDP-R06XE

5 lark No.	Description	6 <u>Part No.</u>	Mark No.	7 Description	8 Part No.	
	•	<u>rait No.</u>	OTHERS	Description	<u>raitino.</u>	
COILS AND FIL	<u>.IERS</u>	L CVA DOO 10500		0P CONNECTOR	AI/N41004	
L6000 F6000 CHIP FEI		LCYAR82J2520 VTF1091			AKM1201	
				N4008,CN4010	AKM1233	
L6001,L6100,L61		XTH1001		2P FFC CONNECTOR	AI/A4 000	
CHIP INL	DUCTOR (33UH)			0P CONNECTOR	AKM1236	
			CN4007,CI		AKM1274	
CAPACITORS			ŀ	PH CONNECTOR 3P		
C6027		CCSRCH101J50	ON 4000 F	NI COMMECTOR OR	ALCA 44 077	
C6010		CCSRCH331J50		PH CONNECTOR 6P	AKM1277	
C6004		CEHVKW100M50	CN4005 4	0P CONNECTOR	AKM1303	
	036,C6042,C6044	CEHVKW101M6R3				
C6031		CEHVKW2R2M50	IDEO DI O	01/7		
			[REG BLO	_		
C6000,C6026,C6		CEHVKW331M6R3	SEMICON	<u>DUCTORS</u>		
	013-C6015,C6019	CEHVKW470M16	IC4210,IC4	212	BD6522F	
C6023,C6100		CEHVKW470M16	IC4208,IC4	211	MM1661JH	
C6022		CKSRYB105K10	IC4202		NCP1117ST15	
C6003,C6005,C6	006,C6012,C6018	CKSRYF104Z16	IC4209		NCP1117ST18	
			IC4201		PQ025ENA1ZPH	
	025,C6029,C6030	CKSRYF104Z16				
C6033,C6038,C6	102,C6200	CKSRYF104Z16	IC4204,IC4	205	PQ033ENA1ZPH	
C6002,C6035		CKSRYF223Z50	IC4206		PQ050DNA1ZPH	
C6008,C6016		CKSRYF474Z16	IC4203		PQ090DNA1ZPH	
			Q4201,Q42	203	DTC124EUA	
RESISTORS				206,D4208,D4209,D4211	1SS355	
R6031		RAB4C221J		-, -,		
R6012-R6014		RAB4C2R2J	COILS AN	D FILTERS		
R6204,R6205		RAB4CQ101J		2 INDUCTOR	BTH1111	
Other Resistors		RS1/16S###J		06 CHIP FERRITE BEAD		
				05,F4207 EMI FILTER	CCG1162	
THERS			<u>::</u> 11 4201-1 42	05,1 4207 LIVII I ILI LIT	0001102	
CN6003 50P CC	MINIECTOR	AKM1236	CADACITO	NDC		
			CAPACITO		1007010	
CN6000 PHP C	JINNECTOR 12P	AKM1298		06,C4209,C4215,C4218	ACG7046	
			(10/6.3V)			
DO 04 DD DI 0	01/7			33,C4235,C4240,C4250	ACG7046	
PC CARD BLO	-		(10/6.3V)			
SEMICONDUC'	<u>rors</u>			57,C4260,C4263	ACG7046	
IC3002		XYW1005	(10/6.3V)			
			0.4040./404	NIE (4.0) 0	40114004	
<u>OTHERS</u>			C4213 (100	,	ACH1394	
16-18 SCREW		ABZ30P060FTC	C4210,C42	44,C4269	ACH1429	
11 PCMCIA EJE	CTOR	ANG2673	C4273		CCSSCH101J50	
12-15 SCREW		PMZ20P100FNI	,	16,C4219,C4221,C4222	CEHVKW101M6R3	
9 TOP CAN		XNG1002	C4224,C42	28,C4238,C4264,C4267	CEHVKW101M6R3	
			C4226		CEHVKW220M16	
			C4214		CKSRYB104K16	
IR MAIN AS	CV.		C4203,C42	,	CKSRYB105K10	
	31		C4229,C42	- /	CKSSYB104K10	
<u> THERS</u>			C4232,C42	34	CKSSYB471K50	
FRONT END (EU)	AXF1149				
DD CON UNIT		AXY1117		04,C4207,C4212,C4227	CKSSYF104Z16	
				51,C4261,C4262,C4268	CKSSYF104Z16	
			C4211,C42	25,C4256	DCH1165	
BOARD IF BLC	CK]					
SEMICONDUC [*]	-		RESISTOR	<u>rs</u>		
Q4003,Q4004		2SA1586	All Resistor		RS1/16S###J	
Q4003,Q4004 Q4001		DTA124EUA				
Q4001 Q4002		TPC6104				
D4001-D4005		1SS355	[TUNER BI	LOCK1		
2 .001 D-000		.0000	SEMICON	_		
CAPACITORS			IC4401	20010110	MCD24170	
		CKCDVD10EK10			MSP3417G	
C4002		CKSRYB105K10	Q4404	100	2SA1586	
C4003,C4004		CKSSYB104K10	Q4401,Q44	102	2SC4116	
			Q4414	140.04445	DTA124EUA	
RESISTORS			Q4410,Q44	113,Q4415	DTC124EUA	
<u>ILOIOTOTIO</u>		RS1/10S0R0J				
R4021-R4023		RS2LMF8R2J				
R4021-R4023		RS1/16S###J				

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	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	Q4407,Q4408	•	HN1A01FU	COILS AND	FILTERS	
	Q4405		HN1B04FU	L4602,L4604,		LCTAW1R0J2520
	Q4409		HN1C01FU	L4611,L4612	L 1000,L 1000	LCTAW1R0J2520
Α	D4401		UDZS33(B)	L4601,L4603,	L4605.L4607	LCTAW560J2520
	D4403		UDZS8R2(B)	L4609,L4610	,	LCTAW560J2520
	COILS AND F	FILTERS		SWITCHES	AND RELAYS	
	L4401-L4403		BTH1119	S4601		ASH1029
	L4405,L4406		LCTAW150J2520	0.00.		7.0020
	L4407		LCTAW4R7J2520	CAPACITOR	S	
_	L4404		LCTAW8R2J2520	C4601,C4605	5,C4620 (10/6.3V)	ACG7046
	F4401,F4402	FERRITE BEAD	VTF1080		,C4636 (10/6.3V)	ACG7046
	0.4.0.4.0.17.0.0.0			C4662 (100U)	F/16V)	ACH1394
	CAPACITORS		100=010		,C4617,C4619,C4624	CCG1205
		C4415 (10/6.3V)	ACG7046	C4628,C4643	,C4649,C4661	CCG1205
В	C4424 (3.3UF/	C4459 (10/6.3V)	ACG7046 ACH1385	0	0.4000	05114747444
	C4449	30V)	CCSRCH680J50	C4602,C4623		CEHAT471M10
	C4442		CCSRCJ3R0C50	·	,C4609,C4612	CKSRYB105K10 CKSRYB105K10
	01112		00011000110000		3,C4626,C4629 3,C4641,C4642	CKSRYB105K10
	C4417,C4418		CCSSCH100D50		5,C4650,C4652-C4654	CKSRYB105K10
	C4431		CCSSCH101J50	04040,04040	,04000,04002 04004	ONOTTIBIOONTO
	C4450		CCSSCH121J50	C4644		CKSRYB224K10
_	C4456		CCSSCH181J50		,C4627,C4630	CKSSYB102K50
	C4448		CCSSCH470J50	C4647,C4648		CKSSYB102K50
)	CKSSYB102K50
	C4428,C4443		CCSSCH560J50	C4604,C4614	,C4622,C4637,C4651	CKSSYF104Z16
	C4441		CCSSCH5R0D50			
С	C4409,C4423 C4421		CEHVKW100M16	C4603,C4625	,C4638	DCH1165
	C4421 C4422		CEHVKW101M6R3 CEHVKW470M16			
	04422		OLITVIC V 47 OIVITO	RESISTORS		
	C4420		CKSRYB332K50	R4608,R4670	•	RS1/10S121J
	C4401,C4411,0	C4413	CKSRYF104Z50	· ·	,R4645,R4658,R4686	RS1/10S151J
	, ,	C4410,C4430,C4440	CKSSYB102K50	R4734,R4735	2,R4643,R4675,R4681	RS1/10S151J RS1/16S75R0F
	C4444,C4455,0	C4461	CKSSYB102K50	R4715-R4717		RS1/16S75R0F
	C4408,C4439,0	C4446	CKSSYB103K16	114713-114717	,114733	1131/103/31101
				Other Resisto	rs	RS1/16S###J
	C4438,C4454	04405 04400 04400	CKSSYB472K25			
		C4425,C4426,C4432 C4447,C4451,C4460	CKSSYF104Z16 CKSSYF104Z16	OTHERS		
	C4434,C4435,0	C4447,C4451,C4460	CKSSYF104Z16	JA4601 RGE	CONNECTOR (DUAL)	AKP1265
D	C4414,C4437,0	C4445	DCH1165	JA4602 RGE	CONNECTOR	AKP1266
	<u>RESISTORS</u>			[AV SW BLO	CK1	
	All Resistors		RS1/16S###J	SEMICONDU	_	
	OTHERO			IC4807	<u> </u>	BH3544F
	<u>OTHERS</u>			IC4805		NJM12904V
	X4401 CRYS	TAL (18.432MHz)	ASS1196	IC4806		R2S11001FT
				IC4804		R2S11002AFT
	[AV IO BLOCK	(1		IC4809		TC7WH123FU
	-	-				
	SEMICONDU		0044500	·	2,Q4804-Q4806,Q4809	2SA1586
Ε	Q4614,Q4615,		2SA1586	· ·),Q4822,Q4823	2SA1586
	Q4641,Q4642, Q4602-Q4605,		2SA1586 2SC4116	•	-Q4813,Q4817,Q4819	2SC4116
		Q4622-Q4624,Q4629	2SC4116	Q4821		2SC4116
	Q4632-Q4637,	· ·	2SC4116	Q4814		DTA124EUA
	,			Q4815		DTC124EUA
_	Q4611,Q4612,	Q4640	2SD2114K	Q4807		HN1B04FU
		Q4621,Q4627,Q4631	DTA124EUA	D4802,D4806	;	1SS301
	Q4610	0.4000	DTA143EUA	D4801		1SS355
	Q4613,Q4617,		DTC124EUA			
	Q4601,Q4609,	Q4625,Q4630,Q4638	HN1A01FU	CAPACITOR	<u>S</u>	
	Q4644		HN1C01FU	C4916 (4.7U/		ACG1122
_		D4611,D4612,D4615	1SS301		5,C4871 (10/6.3V)	ACG7046
F	D4602,D4607,I	D-1011,D-1012,D-1013	1SS301		i,C4923 (10/6.3V)	ACG7046
	D4606,D4626		1SS355	C4877,C4880	1	CCSRCH181J50
				C4859		CCSRCH331J50
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PDP-R06XE

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Mark No.	<u>Description</u>	Part No.	Mark No.	Description	Part No.	
C4861	•	CCSRCH680J50	D5203	•	1SS355	
C4885,C488	8	CCSRCH681J50	D5201		SML-311UT	
C4822,C486		CEHVKW101M6R3				
C4898	_	CEHVKW470M6R3	CAPACITOR	35		Α
C4802,C480	5,C4806,C4808	CKSRYB105K10	C5235	<u></u>	CCSRCH221J50	, ,
•	,		C5244,C524	5	CCSSCH120J50	
C4813,C481	4,C4820,C4833,C4834	CKSRYB105K10	•	8,C5237,C5239-C5243	CCSSCH470J50	
C4836,C483	8-C4841,C4847,C4848	CKSRYB105K10	C5246-C524	· ·	CCSSCH470J50	
C4850,C485	1,C4878,C4879,C4889	CKSRYB105K10	C5238		CEHVKW100M35	
C4894,C489	5,C4899-C4905,C4922	CKSRYB105K10	00200		02	_
C4837		CKSRYB474K10	C5201		CEHVKW101M6R3	
			C5261-C526	3	CKSSYB102K50	
C4853-C485	8,C4860,C4865	CKSSYB103K16	C5216,C523		CKSSYB103K16	
C4869,C487	0,C4890-C4893	CKSSYB103K16	C5215		CKSSYB472K25	
C4807,C480		CKSSYB104K10	C5253		CKSSYF103Z50	
	9,C4845,C4846,C4864	CKSSYF104Z16				
C4873,C488	1,C4884,C4886,C4887	CKSSYF104Z16	C5202-C521	4,C5219,C5222-C5232	CKSSYF104Z16	В
			C5234,C525	2	CKSSYF104Z16	
	1,C4924,C4925	CKSSYF104Z16	C5236		DCH1165	
C4844,C486	3,C4866,C4872,C4876	DCH1165				
C4882,C488	3	DCH1165	RESISTORS	3		
			R5262.R526		ACN1248	
RESISTORS	<u>S</u>		R5205,R521		RAB4CQ101J	_
R4975,R499		RD1/2LMF120J	R5283	•	RS1/16S1001F	
R4784,R478		RS1/16S1800F	R5282		RS1/16S4701F	
,	7,R4792,R4794,R4796	RS1/16S5600F	R5273		RS1/16S8201F	
R4791,R479		RS1/16S75R0F	110270		1101/10002011	
	0,R4944,R4985	RS1/16SS3301F	Other Resisto	ore	RS1/16S###J	
	-, - ,		Other resist	010	1101/100###0	
Other Resisto	ors	RS1/16S###J	OTHERS			С
				P CONNECTOR	AKM1201	
			K5201,K5202			
IF UCOM B	LOCK1		,		AKX9002	
SEMICOND	-		X5201 GEH	RAMIC RESONATOR	ASS1178	
IC5002	octons	LID64F2694FB				
		HD64F3684FP	ITEVT HOO	M DI OOKI		
IC5003		PST9230N	[TEXT UCO			-
IC5001		TC74VHC08FTS1	<u>SEMICOND</u>	<u>UCTORS</u>		
IC5004		TC7W126FU	IC5403		K4S641632H-TC75	
Q5005		DTA124EUA	IC5404		S29AL016D70TFI010	
05001		DTC104FIIA	IC5405		SDA6000	
Q5001		DTC124EUA	IC5407		TC74LCX125FT	
A DA OITO	20		IC5402		TC7SH04FUS1	D
CAPACITOR		0000011100150				
C5007,C500	8	CCSSCH180J50	IC5406		TC7W126FU	
C5001		CEHVKW101M6R3	Q5401,Q540	6	DTA124EUA	
C5010	F 05000 05040	CKSSYB472K25	Q5403,Q540	7	DTC124EUA	
C5002-C500	5,C5009,C5012	CKSSYF104Z16	D5404		1SS355	
	_		D5401		UDZS12(B)	
RESISTORS						_
	4,R5007,R5025,R5026	RAB4CQ103J	D5402		UDZS3R0(B)	
Other Resisto	ors	RS1/16S###J	D5403		UDZS3R9(B)	
<u>OTHERS</u>			COILS AND	FILTERS		
X5002 CER	RAMIC RESONATOR	ASS1168	⚠ F5402,F5403	B EMI FILTER	CCG1162	Е
X5001 CRY		ASS1172	,			E
			CAPACITOR	RS		
				8,C5453 (10/6.3V)	ACG7046	
MAIN UCO	M BLOCK1		C5422,C542	,	CCSSCH200J50	
SEMICOND			C5404	0	CKSSYB102K50	
IC5202	0010113	BR24L64F-W	C5403		CKSSYB103K16	
			C5445		CKSSYB104K10	
IC5206 IC5207		MB91305PMC-G-BND MBM29DL162TE70TN	00 170		5.1551B101IN10	
IC5207 IC5210		MBM29DL162TE70TN MM1522XU	C5405 C540	6,C5408,C5410,C5413	CKSSYF104Z16	
			,	8,C5420,C5425,C5427	CKSSYF104Z16	
IC5209		PQ200WNA1ZPH	•	1,C5434,C5435,C5440	CKSSYF104Z16	
IC5203		PST3628UR		6,C5449,C5451,C5454	CKSSYF104Z16	
	04		,	8,C5460,C5476	CKSSYF104Z16	F
IC5201,IC520 Q5202	04	TC74VHC125FTS1 2SJ461A	30-30,0043	5,55 155,55715	51.5511 10±210	Г
		2SJ461A DTC124EUA				
Q5204 Q5201						
Q5201		SM6K2				
			DD DOCYE			29
		P	DP-R06XE	_		

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Mark No. Description	Part No.	Mark No. Description	Part No.
RESISTORS		C6211,C6212,C6215-C6217	CKSSYF104Z16
	ACNI1051	C6222-C6224	CKSSYF104Z16
R5409	ACN1251	OULLE OULLT	5.10011 10 1 210
R5404,R5428,R5429,R5434,R5435	BCN1067	DECICTORS	
R5439,R5457,R5476	RAB4CQ103J	<u>RESISTORS</u>	
R5432,R5460	RAB4CQ680J	R6213,R6218,R6223	BCN1067
Other Resistors	RS1/16S###J	R6202	RS1/16SS2701F
		Other Resistors	RS1/16S###J
OTHERS			
X5401 CRYSTAL	ASS1193		
NOTO I OTTO IAL	A001133	[HDMI BLOCK]	
D/DEO DI COLG		<u>SEMICONDUCTORS</u>	
[VDEC BLOCK]		IC6402,IC6403	BR24L02FJ-W
<u>SEMICONDUCTORS</u>		IC6405	PCM1754DBQ
IC6002	K4S161622H-TC60	IC6404	SII9021CTU
IC6001	TVP5150AM1PBS	Q6416,Q6417	2SA1586
IC6003	UPD64015AGM-UEU	Q6412,Q6414	DTA124EUA
Q6002	DTA124EUA		
Q0002	B II (12+EO/(Q6413,Q6415	DTC124EUA
COIL C AND FILTEDS		Q6402.Q6405	HN1K02FU
COILS AND FILTERS		Q6403,Q6404	RN1902
F6001,F6002 EMI FILTER	CCG1162	D6404,D6408	1SS301
	CCG1162	•	
		D6403,D6407	UDZS6R8(B)
CAPACITORS			
C6056,C6088 (10/6.3V)	ACG7046	COILS AND FILTERS	
			CCG1162
C6059,C6060	CCSSCH100D50		
C6078,C6083	CCSSCH8R0D50	CAPACITORS	
C6048-C6050	CKSRYB105K10		ACC7040
C6062,C6069,C6070,C6074,C6080	CKSSYB103K16	C6491 (10/6.3V)	ACG7046
		C6401,C6403,C6405,C6407,C6409	CCSSCH101J50
C6046,C6051,C6052,C6054,C6058	CKSSYB104K10	C6411,C6419,C6426,C6428,C6430	CCSSCH101J50
C6063,C6064,C6066,C6067	CKSSYB104K10	C6432,C6434,C6435,C6438,C6440	CCSSCH101J50
C6072,C6073,C6075-C6077	CKSSYB104K10	C6442,C6444,C6446,C6448,C6449	CCSSCH101J50
C6081,C6082,C6084,C6085	CKSSYB104K10		
C6001-C6008,C6012-C6028	CKSSYF104Z16	C6454,C6456,C6459,C6464,C6466	CCSSCH101J50
2300. 20000,00012 00020	31.0011 10-210	C6468,C6470,C6472,C6474,C6476	CCSSCH101J50
C6031-C6045,C6047,C6053,C6055	CKSSYF104Z16	C6478,C6480,C6482	CCSSCH101J50
		C6462,C6463	CCSSCH120J50
C6061,C6065,C6068,C6071,C6079	CKSSYF104Z16	C6425,C6484	CEHVKW220M6R3
C6090,C6091	CKSSYF104Z16	OU-120, OUTOT	OLITAINAATTOINIOLIO
		C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16
<u>RESISTORS</u>			CKSSYF104Z16 CKSSYF104Z16
R6010,R6062,R6068,R6072	ACN1246	C6412,C6414,C6416,C6418	
R6065,R6073	BCN1067	C6420-C6424,C6427,C6429,C6431	CKSSYF104Z16
R6007,R6023,R6030,R6071	RAB4CQ220J	C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16
R6063	RS1/16SS1001D	C6443,C6445,C6447,C6450-C6453	CKSSYF104Z16
R6038,R6039,R6049	RS1/16SS2000F		
. 10000,1 10000,1 10040	. 10 1/ 100020001	C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16
D6054	RS1/16SS2201D	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16
R6054		C6475,C6477,C6479,C6481,C6483	CKSSYF104Z16
R6052	RS1/16SS6200D	C6490	CKSSYF104Z16
Other Resistors	RS1/16S###J		
		RESISTORS	
<u>OTHERS</u>			AON4054
X6001 CRYSTAL	ASS1189	R6418,R6419,R6421	ACN1251
X6002 CRYSTAL	ASS1191	R6414	RAB4CQ100J
		R6465	RAB4CQ103J
		R6438	RAB4CQ470J
IADO BLOCKI		R6416	RAB4CQ680J
[ADC BLOCK]			
SEMICONDUCTORS		Other Resistors	RS1/16S###J
IC6201	AD9985KSTZ-110	2 2.2	
	-	OTHERS	
COILS AND FILTERS		•	ALCD4.070
	0001160	JA6401, JA6402 HDMI CONNECTOR	
♠ F6201,F6204 EMI FILTER	CCG1162	X6401 CRYSTAL	ASS1192
0.1.D.1.0.IT.0.T.0			
<u>CAPACITORS</u>			
C6205,C6209	CKSSYB104K10	[DSEL BLOCK]	
C6207,C6210,C6218	CKSSYB473K16	SEMICONDUCTORS	
C6202	CKSSYB822K16		DDCCCC A
C6201	CKSSYB823K10	IC6601	PD6523A
C6203,C6204,C6206,C6208	CKSSYF104Z16	IC6602	TC74LCX125FT
00203,00204,00200,00200	UNGG 11 104Z 10		
0	PDP-R0	DEVE	
J	PUP-RI	IDAE	

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Mark No. Description	Part No.	Mark No.		<u>Description</u>	Part No.	
COILS AND FILTERS		RESIST				
1 F6604 CHIP FERRITE BEAD	ATX1058			24,R7032,R7036	ACN1246	
	CCG1162	R7062-F			ACN1251	Δ
NADACITORS		R7015,F	R7023 R7018,R70	70	RAB4CQ101J	P
CAPACITORS C6632 (10/6 2)/)	ACG7046	H7016,F R7060	1/U10,H/U	70	RAB4CQ103J RAB4CQ680J	
C6632 (10/6.3V) C6604	ACG7046 CCSRCH221J50	117000			11/10-70-00000	
C6631	CKSSYB102K50	Other R	esistors		RS1/16S###J	
C6601-C6603,C6607-C6610	CKSSYF104Z16					
C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16					
		[MR IF B	_			_
C6625-C6627,C6629,C6630	CKSSYF104Z16	SEMICO	NDUCT	<u>ORS</u>		
RESISTORS		IC7202	107000		SII170BCLG64	
R6603-R6605	ACN1251	IC7201, Q7206	10/203		TC74VHC08FTS1 2SA1586	
R6611,R6614,R6618	BCN1071		Q7207,Q72	210	DTA124EUA	
R6613,R6620	RAB4CQ101J	Q7211			DTC124EUA	E
Other Resistors	RS1/16S###J	··			·	
		Q7209			HN1C01FU	
<u>OTHERS</u>		Q7201			RN1902	
X6601 CRYSTAL	ASS1194	D7202-I	D7206		1SS355	
		COLLE	/ VID Eii .	TEDO		I
D DI OCKI		<u>COILS A</u> ∴ F7204-F			ATF1209	
P BLOCK]			-	RITE BEAD	BTX1042	
EMICONDUCTORS	V40040000LT000	-	-	08 EMI FILTER	CCG1162	
IC6801,IC6802 IC6803	K4S643232H-TC60 PE5504B		,- ·	· · · · · · · · · ·		
100000	F E3304D	CAPACI	TORS			
OILS AND FILTERS				08 (10/6.3V)	ACG7046	C
L6801-L6804 CHIP FERRITE BEAL	BTX1042	C7226,0			CCSSCH100D50	
				11,C7213,C7214	CCSSCH101J50	
CAPACITORS		C7216,0 C7223	C7217,C72	19,07221	CCSSCH101J50 CKSSYB102K50	
C6801 (10/6.3V)	ACG7046	0/223			ONOO 10 102NOU	
C6863	CKSSYB102K50	C7209.0	C7215,C72	20,C7225,C7228	CKSSYB471K50	_
C6802,C6804,C6807-C6809,C6813	CKSSYF104Z16			06,C7210,C7212	CKSSYF104Z16	
C6815-C6817,C6821,C6824-C6828 C6830,C6831,C6834,C6835	CKSSYF104Z16 CKSSYF104Z16	C7218,0	27224		CKSSYF104Z16	
00000,00001,00004,00000	01.0011 10 1 210	DE0:0-	000			
C6839-C6862	CKSSYF104Z16	RESIST	UKS		DAD400404 !	
		R7215 R7216			RAB4CQ101J RS1/16S5100F	
RESISTORS		Other R	esistors		RS1/16S5100F RS1/16S###J	
R6833,R6838	ACN1246	3000	20.01010			
R6841,R6844-R6847	ACN1251	OTHERS	<u>S</u>			
R6813,R6814,R6816,R6820,R6821 R6823,R6825,R6827,R6828	BCN1067 BCN1067		20P SO	CKET	AKP1226	
R6818	BCN1067 BCN1071	CN7202	24P DVI	SOCKET	AKP1250	
	20.1.071					_
R6832	RAB4CQ101J					
R6817	RAB4CQ470J	DEAD	IO 400	·V		
Other Resistors	RS1/16S###J	REAR				
		COILS A		I EKS	LOTALISON INTER	
MULTI BLOCK]		L7401,L	.7402		LCTAW560J2520	
SEMICONDUCTORS		CAPACI	TORS			E
IC7001	PEG121B	C7404,0			CKSRYB102K50	
IC7001 IC7002	S29JL032H70TFI21	C7404,0			CKSRYB102K50	
IC7004	TC74VHC08FTS1	37 701 (5.15.1121001110	
	-	RESIST	<u>ORS</u>			
OILS AND FILTERS		R7401-F			RS1/16S75R0F	_
F7001-F7006 EMI FILTER	CCG1162	Other R	esistors		RS1/16S###J	
A DA OLTO DO		AT: :== :	•			
CAPACITORS	01/00/75 / 201/5-	OTHERS		• • • • • • • • • • • • • • • • • • • •	ALCDAGG	
C7052	CKSSYB102K50		3P PIN J		AKB1321	
C7006,C7008,C7010-C7017,C7019 C7021,C7023,C7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16		3P PIN J	-	AKB1328 CKS3826	
C7032-C7034,C7036,C7037	CKSSYF104Z16	ON/402	. JOININE	0.011	01100020	F
C7039-C7042,C7044,C7046-C7048	CKSSYF104Z16					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
C7050	CKSSYF104Z16					
		PDP-R06XF				31
		FUE-BUDXE				

PDP-R06XE

	1	2	3		4
	Mark No. Description	Part No.	Mark No.	Description	Part No.
-	SR ASSY		LED ASSY		
				07000	
	SEMICONDUCTORS	MANAGOGODINA	SEMICONDUC	CIORS	DT4 40 45114
	IC7601	MAX3232CPW	Q8003		DTA124EUA
	IC7603 IC7602	TC74VHC00FTS1 TC74VHC125FTS1	Q8004		DTC124EUA RN2902
	Q7601,Q7605	2SA1586	Q8002 D8001		SML-311DT
	Q7603	2SC4116	D8003		SML-311UT
	4,000	2001110	20000		OME OTTO
	Q7602,Q7604,Q7606	DTC124EUA	D8004		SML310BA1T
	D7609-D7612	1SS355			
			SWITCHES A	ND RELAYS	
	<u>CAPACITORS</u>		S8001-S8006		ASG1088
	C7608,C7611	CEHVKW100M16			
	C7603-C7607,C7609,C7610	CKSSYF104Z16	CAPACITORS		
	DECICTORS		C8005,C8006		CCSRCH101J50
	RESISTORS	DC4/400###1	C8001,C8002		CKSSYF104Z16
	All Resistors	RS1/16S###J	DECICTORS		
	OTHERS		RESISTORS		DC4/4CC###1
	JA7603 4P MINI JACK	AKN1073	All Resistors		RS1/16S###J
	CN7602 9P D-SUB SOCKET	AKN1073 AKP1213	OTHERS		
	CN7601 CONNECTOR	CKS3826	CN8001 CONI	NECTOR	CKS3826
	JA7602 REMOTE CONTROL JACK		CINOUUT COINI	NECTOR	UN33826
			POWER SU	PPLY UNIT	
	FRONT ASSY			Unit has no service pa	rt.
	SEMICONDUCTORS		2.1.2.1.001121	oo 11100 pa	-
	IC7801	BR24C21FJ			
	IC7802	TC74VHC08FTS1			
	Q7806-Q7808	2SC4116			
	Q7804,Q7805	DTC124EUA			
	•		_ =====================================		
	D7813	1SS301	■ FOR PDP-	R06FE	
	D7813	1SS301			Part No
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803	1SS301 1SS302 UDZS5R1(B)	Mark No. MR MAIN A	Description	<u>Part No.</u>
	D7813 D7816-D7818	1SS301 1SS302	Mark No.	Description	Part No.
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN A	Description	
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B)	Mark No. MR MAIN AS OTHERS FRONT END	Description	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B)	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT	Description SSY OCK]	AXF1149
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCTION	Description SSY OCK]	AXF1149 AXY1117
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004	Description SSY OCK]	AXF1149 AXY1117 2SA1586
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK]	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001 Q4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUCT Q4003,Q4004 Q4001	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUS Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AS OTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,E CAPACITORS C4002 C4003,C4004	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7820,C7824 C7819,C7835	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB103K50 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J	Mark No. MR MAIN AMOTHERS FRONT END DD CON UNIT [BOARD IF BL SEMICONDUC Q4003,Q4004 Q4001 Q4002 D4001-D4003,D CAPACITORS C4002 C4003,C4004 RESISTORS R4021-R4023 R4007 Other Resistors OTHERS CN4008,CN401 12P F	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7820,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7803 12P FFC CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 △ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR CN7801 MINI JACK	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1236 AKN1028	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233
	D7813 D7816-D7818 D7801-D7803 D7809-D7812,D7814,D7815 D7804,D7808 COILS AND FILTERS L7801,L7802 L7803,L7804 CAPACITORS C7821,C7827,C7829,C7830 (10/6.3 C7822,C7823 C7817,C7818 C7803,C7804 C7805,C7808,C7809,C7813 C7831,C7832,C7834 C7801 ⚠ C7839,C7840 C7802,C7824 C7819,C7835 RESISTORS R7801,R7803,R7809,R7857-R7859 Other Resistors OTHERS JA7803 PIN JACK 3P CN7804 50P CONNECTOR CN7804 50P CONNECTOR	1SS301 1SS302 UDZS5R1(B) UDZS5R6(B) UDZS9R1(B) LCTAW1R0J2520 LCTAW560J2520 V) ACG7046 CCSRCH220J50 CEHAT471M10 CKSRYB105K10 CKSRYB105K10 CKSRYB473K16 CKSSYB102K50 CKSSYF104Z16 DCH1165 RS1/16S75R0F RS1/16S###J AKB1303 AKM1233 AKM1233 AKM1236	Mark No. MR MAIN AMAIN	Description SSY OCK] CTORS 04005	AXF1149 AXY1117 2SA1586 DTA124EUA TPC6104 1SS355 CKSRYB105K10 CKSSYB104K10 RS1/10S0R0J RS2LMF8R2J RS1/16S###J AKM1233

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Mark No. Description [RGB BLOCK] SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4213 (2220,C4244,C4269 C4273 C4205,C4216,C4219,C4221,C4222	Part No. BD6522F MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429 CCSSCH101J50	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	Part No. ACG7046 ACG7046 ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50 CKSSYB103K16	A B
SEMICONDUCTORS IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4404,C4407 C4416,C4429 C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4413 ,C4413 ,C4410,C4430,C4440 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4212 IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4416,C4429 C4424 (3.3UF C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4445 C4402,C4405	,C4459 (10/6.3V) ;/50V) ,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACG7046 ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4211 IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	MM1661JH NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4424 (3.3UF C4449 C4449 C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	ACH1385 CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4202 IC4209 IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	NCP1117ST15 NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4449 C4442 C44417,C4418 C4431 C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCH680J50 CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH470J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4209 IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	NCP1117ST18 PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4442 C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C44454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSRCJ3R0C50 CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4201 IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ025ENA1ZPH PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4417,C4418 C4431 C4450 C4456 C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH100D50 CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4204,IC4205 IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ033ENA1ZPH PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4431 C4450 C4456 C4448 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4434	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH101J50 CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4206 IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR	PQ050DNA1ZPH PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4450 C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH121J50 CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
IC4203 Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	PQ090DNA1ZPH DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4456 C4448 C4448 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH181J50 CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW470M16 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	В
Q4201 D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	DTC124EUA 1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4448 C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH470J50 CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
D4201-D4206,D4209,D4211 COILS AND FILTERS L4201 INDUCTOR ⚠ L4203-L4205 CHIP FERRITE BEAD ⚠ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	1SS355 BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4428,C4443 C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH560J50 CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
COILS AND FILTERS L4201 INDUCTOR ↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	BTH1111 BTX1042 CCG1162 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4441 C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CCSSCH5R0D50 CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4409,C4423 C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW100M16 CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
L4201 INDUCTOR	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4421 C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4413 ,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW101M6R3 CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
↑ L4203-L4205 CHIP FERRITE BEAD ↑ F4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4422 C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CEHVKW470M16 CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	
TF4201-F4203,F4205,F4207 EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACG7046 ACH1394 ACH1429	C4420 C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYB332K50 CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	ı
EMI FILTER CAPACITORS C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4401,C4411 C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSRYF104Z50 CKSSYB102K50 CKSSYB102K50	•
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4403,C4406 C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4410,C4430,C4440 ,C4461 ,C4446	CKSSYB102K50 CKSSYB102K50	
C4201,C4206,C4209,C4215 (10/6.3V) C4220,C4240,C4250,C4253 (10/6.3V) C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269	ACG7046 ACG7046 ACH1394 ACH1429	C4444,C4455 C4408,C4439 C4438,C4454 C4402,C4405	,C4461 ,C4446	CKSSYB102K50	
C4257,C4260,C4263 (10/6.3V) C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACG7046 ACH1394 ACH1429	C4408,C4439 C4438,C4454 C4402,C4405	,C4446		
C4213 (100UF/16V) C4210,C4244,C4269 C4273	ACH1394 ACH1429	C4438,C4454 C4402,C4405	,-	01/00/101/00/10	
C4210,C4244,C4269 C4273	ACH1429	C4402,C4405			
C4273		C4402,C4405		CKSSYB472K25	
	CCSSCH101.I50	•	,C4425,C4426,C4432	CKSSYF104Z16	
	CCSSCH101.I50	C4434.C4435	,C4447,C4451,C4460	CKSSYF104Z16	
C4205,C4216,C4219,C4221,C4222		C4465	, , ,	CKSSYF104Z16	
	CEHVKW101M6R3	C4414,C4437	,C4445	DCH1165	С
C4224,C4228,C4238,C4264	CEHVKW101M6R3				
C4226	CEHVKW220M16	RESISTORS			
C4214	CKSRYB104K16	All Resistors		RS1/16S###J	
C4203,C4217,C4223	CKSRYB105K10				
C4229,C4252	CKSSYB104K10	<u>OTHERS</u>			_
C4232	CKSSYB471K50	X4401 CRYS	STAL (18.432MHz)	ASS1196	
C4204,C4212,C4227,C4251	CKSSYF104Z16				
		[AV/10 DI 00	1/21		
C4261,C4262	CKSSYF104Z16	[AV IO BLOC	-		
C4211,C4225,C4256	DCH1165	SEMICONDU	<u>JCTORS</u>		
DECICTORS			5,Q4626,Q4639	2SA1586	_
RESISTORS	DO4/400/4/4/1	· · · · · · · · · · · · · · · · · · ·	2,Q4645,Q4646	2SA1586	D
All Resistors	RS1/16S###J		5,Q4607,Q4608	2SC4116	
		Q4618-Q4620 Q4632-Q4636),Q4622-Q4624,Q4629	2SC4116 2SC4116	
[TUNER BLOCK]		Q4032-Q4030),Q4043	2304110	
SEMICONDUCTORS		Q4611,Q4612)	2SD2114K	
· · · · · · · · · · · · · · · · · · ·	MOD04470		5,Q4621,Q4631	DTA124EUA	
IC4401 Q4404	MSP3417G	Q4610		DTA143EUA	_
Q4404 Q4401,Q4402	2SA1586 2SC4116	Q4613,Q4617	,	DTC124EUA	
Q4414 Q4414	DTA124EUA	Q4601,Q4609	,Q4625,Q4630	HN1A01FU	
Q4410,Q4413,Q4415	DTC124EUA				
Q1110,Q1110,Q1110	213121237	Q4644		HN1C01FU	
Q4407,Q4408	HN1A01FU	·	,D4611,D4621	1SS301	Е
Q4405	HN1B04FU	D4606,D4626		1SS355	_
Q4409	HN1C01FU	OOU C AND	EU TEDO		
D4401	UDZS33(B)	COILS AND		LOTANA LOTANA	
D4403	UDZS8R2(B)	L4602,L4604,	L4606,L4608	LCTAW1R0J2520	
0011 0 AND =11 T===		L4611,L4612 L4601,L4603,	I 4605 I 4607	LCTAW1R0J2520 LCTAW560J2520	
COILS AND FILTERS		L4609,L4610	L+000,L400/	LCTAW560J2520 LCTAW560J2520	
L4401-L4403 CHIP COIL	BTH1119	L+003,L+010		_O 17 17 4 0 0 0 0 C 0 C 0	
L4405,L4406	LCTAW150J2520	SWITCHES	AND RELAYS		
L4407	LCTAW4R7J2520	S4601		ASH1029	
L4404 F4401,F4402 FERRITE BEAD	LCTAW8R2J2520 VTF1080	0.001			
1 7701,1 4402 I LARITE DEAD	V 11 1000				
					F

PDP-R06XE

	Mark No.	Description	Part No.	Mark No.	Description	Part No.
	CAPACITORS	S		C4807,C4809		CKSSYB104K10
		C4620 (10/6.3V)	ACG7046	C4801,C4819,	C4845,C4846,C4864	CKSSYF104Z16
		C4636 (10/6.3V)	ACG7046	C4873,C4884,	C4886,C4887	CKSSYF104Z16
Α	C4662 (100UF		ACH1394	C4917-C4920,		CKSSYF104Z16
	C4607,C4611,	C4617,C4619,C4624	CCG1205	C4844,C4863,	C4866,C4872,C4876	DCH1165
	C4628,C4643,	C4649	CCG1205			
				RESISTORS		
	C4602,C4623,		CEHAT471M10	R4784,R4786	D. 4700 D. 470 4 D. 4700	RS1/16S1800F
	C4606,C4608,		CKSRYB105K10		R4792,R4794,R4796	RS1/16S5600F
	C4615,C4616, C4631-C4633,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10 CKSRYB105K10	R4791,R4793, R4857-R4860,		RS1/16S75R0F RS1/16SS3301F
	,	C4650,C4652-C4654	CKSRYB105K10	Other Resistor	· · · · · · · · · · · · · · · · · · ·	RS1/16S###J
	04040,04040,	04000,04002 04004	CHOITIBIOGHTO	Other resistor	5	1101/100/////
	C4610,C4613,	C4627,C4630	CKSSYB102K50			
	C4647,C4648		CKSSYB102K50	[IF UCOM BL	OCK]	
В			CKSSYB102K50	SEMICONDU	ICTORS	
ь		C4622,C4637,C4651	CKSSYF104Z16	IC5002		HD64F3684FP
	C4603,C4625,	C4638	DCH1165	IC5003		PST9230N
	DECICTORS			IC5001		TC74VHC08FTS1
	RESISTORS	D.4000	D04/400404 I	IC5004		TC7W126FU
	R4608,R4670,		RS1/10S121J	Q5005		DTA124EUA
_	R4734,R4735	R4645,R4658,R4686	RS1/10S151J RS1/10S151J	0.500		DTG (C)FILE
	·	,R4643,R4675,R4681	RS1/16S75R0F	Q5001		DTC124EUA
	R4715-R4717,		RS1/16S75R0F	CADACITOD	c	
	,		. 10 17 1007 01 101	CAPACITORS	<u> </u>	0000011400150
	Other Resistors	S	RS1/16S###J	C5007,C5008 C5001		CCSSCH180J50 CEHVKW101M6R3
				C5010		CKSSYB472K25
С	<u>OTHERS</u>			C5002-C5005,	.C5009.C5012	CKSSYF104Z16
Ū		CONNECTOR (DUAL)	AKP1265		, ,	
	JA4602 RGB	CONNECTOR	AKP1266	RESISTORS		
				R5002,R5004,	R5007,R5025,R5026	RAB4CQ103J
	TAV CW DI O	℃ L1		Other Resistor	S	RS1/16S###J
	[AV SW BLOC	-				
	SEMICONDU	ICTORS	N. IN 44 000 41 4	<u>OTHERS</u>		
	IC4805 IC4806		NJM12904V R2S11001FT		MIC RESONATOR	ASS1168
	IC4804		R2S11001F1	X5001 CRYS	IAL	ASS1172
		,Q4804-Q4806,Q4809	2SA1586			
	Q4818,Q4820	•	2SA1586	[MAIN UCOM	BI OCKI	
	•			SEMICONDU		
D	Q4812,Q4813		2SC4116		ic ions	BR24L64F-W
	Q4814		DTA124EUA	IC5202 IC5206		MB91305PMC-G-BND
	Q4815		DTC124EUA	IC5207		MBM29DL162TE70TN
	Q4807		HN1B04FU	IC5210		MM1522XU
	D4802		1SS301	IC5209		PQ200WNA1ZPH
	D4801		1SS355			
_				IC5203		PST3628UR
	CAPACITORS	<u>S</u>		IC5201 Q5202		TC74VHC125FTS1 2SJ461A
	C4916 (4.7U/1	0V)	ACG1122	Q5202 Q5204		DTC124EUA
	C4821,C4835,	C4871,C4875 (10/6.3V)	ACG7046	Q5201		SM6K2
	C4877,C4880		CCSRCH181J50			
Е	C4859		CCSRCH331J50	D5203		1SS355
	C4861		CCSRCH680J50	D5201		SML-311UT
	C4885,C4888		CCSRCH681J50	CADACITOD	•	
	C4822,C4862		CEHVKW101M6R3	CAPACITORS	<u>5</u>	0000011004150
	C4802,C4805,	· · · · · · · · · · · · · · · · · · ·	CKSRYB105K10	C5235 C5244,C5245		CCSRCH221J50 CCSSCH120J50
		C4820,C4833,C4834	CKSRYB105K10	•	C5237,C5239-C5243	CCSSCH470J50
	C4836,C4838-	·C4841,C4847,C4848	CKSRYB105K10	C5246-C5249		CCSSCH470J50
	C4850,C4851,	C4878 C4879	CKSRYB105K10	C5238		CEHVKW100M35
	C4899-C4905		CKSRYB105K10			
	C4837		CKSRYB474K10	C5201		CEHVKW101M6R3
	C4853-C4858,	,C4860,C4865	CKSSYB103K16	C5261-C5263		CKSSYB102K50
F	C4869,C4870,	C4890-C4893	CKSSYB103K16	C5216,C5233		CKSSYB103K16
				C5215 C5253		CKSSYB472K25 CKSSYF103Z50
				00200		51.05 IT 100200

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Mark No. Description	Part No.	Mark No. Description	Part No.	
C5202-C5209,C5211-C5214,C5219	CKSSYF104Z16	COILS AND FILTERS		
C5222-C5232,C5234,C5252	CKSSYF104Z16	<u>↑</u> F6001,F6002,F6010,F6011	CCG1162	
C5236	DCH1165	EMI FILTER		
RESISTORS		CAPACITORS		
R5262,R5268	ACN1248	C6056,C6088 (10/6.3V)	ACG7046	
R5205,R5213	RAB4CQ101J	C6078,C6083	CCSSCH8R0D50	
R5283	RS1/16S1001F	C6062,C6069,C6070,C6074,C6080	CKSSYB103K16	
R5282	RS1/16S4701F	C6046,C6058,C6063,C6064	CKSSYB104K10	
R5273	RS1/16S8201F	C6066,C6067,C6072,C6073	CKSSYB104K10	
Other Resistors	RS1/16S###J	C6075-C6077,C6081,C6082	CKSSYB104K10	
		C6084,C6085	CKSSYB104K10	
<u>OTHERS</u>		C6001-C6008,C6012-C6028	CKSSYF104Z16	
CN5202 50P CONNECTOR	AKM1201	C6031-C6045,C6065,C6068,C6071	CKSSYF104Z16	
K5201,K5202 TEST PIN	AKX9002	C6079,C6090,C6091	CKSSYF104Z16	
X5201 CERAMIC RESONATOR	ASS1178	RESISTORS		
		RESISTORS R6010,R6068,R6072	ACN1246	
TEXT UCOM BLOCK]		R6065,R6073	BCN1067	
SEMICONDUCTORS		R6007,R6030,R6071	RAB4CQ220J	
IC5403	K4S641632H-TC75	R6063	RS1/16SS1001D	
IC5404	S29AL016D70TFI010	R6038,R6039,R6049	RS1/16SS2000F	
IC5405	SDA6000	DCOE 4	D04/400000045	
IC5407	TC74LCX125FT	R6054 R6052	RS1/16SS2201D RS1/16SS6200D	
IC5402	TC7SH04FUS1	Other Resistors	RS1/16S86200D RS1/16S###J	
IC5406	TC7W126FU	Carlot Hoololoro	11017100111110	
Q5401,Q5406	DTA124EUA	<u>OTHERS</u>		
Q5403,Q5407	DTC124EUA	X6002 CRYSTAL	ASS1191	
D5404	1SS355			
D5401	UDZS12(B)	IADO DI COLO		
D5402	UDZS3R0(B)	[ADC BLOCK]		
D5402 D5403	UDZS3R0(B)	SEMICONDUCTORS	AD00051/077 440	
	3223. (0)	IC6201	AD9985KSTZ-110	
COILS AND FILTERS		COILS AND FILTERS		
Ŋ F5402,F5403 EMI FILTER	CCG1162	⚠ F6201,F6204 EMI FILTER	CCG1162	
CAPACITORS				
C5412,C5438,C5453 (10/6.3V)	ACG7046	CAPACITORS		
C5422.C5423	CCSSCH200J50	C6205,C6209	CKSSYB104K10	
C5404	CKSSYB102K50	C6207,C6210,C6218	CKSSYB473K16	
C5403	CKSSYB103K16	C6202 C6201	CKSSYB822K16 CKSSYB823K10	
C5445	CKSSYB104K10	C6201,C6204,C6206,C6208	CKSSYF104Z16	
C5405,C5406,C5408,C5410,C5413	CKSSYF104Z16			
C5405,C5406,C5408,C5410,C5413 C5416,C5418,C5420,C5425,C5427	CKSSYF104Z16 CKSSYF104Z16	C6211,C6212,C6215-C6217	CKSSYF104Z16	
C5429-C5431,C5434,C5435,C5440	CKSSYF104Z16	C6222-C6224	CKSSYF104Z16	
C5442,C5446,C5449,C5451,C5454	CKSSYF104Z16	RESISTORS		
C5456,C5458,C5460,C5476	CKSSYF104Z16	R6213,R6218,R6223	BCN1067	
250107070		R6202	RS1/16SS2701F	
RESISTORS	AON4054	Other Resistors	RS1/16S###J	
R5409	ACN1251		-	
R5404,R5428,R5429,R5434,R5435 R5439,R5457,R5476	BCN1067 RAB4CQ103J			
R5432,R5460	RAB4CQ103J	[HDMI BLOCK]		
Other Resistors	RS1/16S###J	<u>SEMICONDUCTORS</u>		
		IC6403	BR24L02FJ-W	
<u>OTHERS</u>		IC6405	PCM1754DBQ	
X5401 CRYSTAL	ASS1193	IC6404 Q6416	SII9021CTU 2SA1586	
		Q6414	DTA124EUA	
VDEC BLOCK]				
SEMICONDUCTORS		Q6415	DTC124EUA	
IC6002	K4S161622H-TC60	Q6405	HN1K02FU	
IC6002 IC6003	UPD64015AGM-UEU	Q6404 D6408	RN1902	
	SI DOTO IONGIVITULU	D6408 D6407	1SS301 UDZS6R8(B)	
		50-101	0D200110(D)	
	PI	OP-R06XE		35
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	1 -	2	3	-	4
	Mark No. Description	Part No.	Mark No.	Description	Part No.
	<u>COILS AND FILTERS</u> <u></u> ↑ F6401 EMI FILTER	CCG1162	[IP BLOCK] SEMICONDUC IC6801,IC6802	CTORS	K4S643232H-TC60
	CAPACITORS	1007010	IC6803		PE5504B
	C6491 (10/6.3V) C6401,C6403,C6405,C6407,C6411	ACG7046 CCSSCH101J50	COILS AND F	ILTERS	
	C6419,C6426,C6428,C6430,C6432	CCSSCH101J50		CHIP FERRITE BEAD	BTX1042
	C6434,C6435,C6438,C6440,C6442 C6444,C6446,C6448,C6449,C6454	CCSSCH101J50 CCSSCH101J50	CAPACITORS		
	00450 00450 00404 00400 00400	000001404150	C6801 (10/6.3V		ACG7046
	C6456,C6459,C6464,C6466,C6468 C6470,C6472,C6474,C6476,C6478	CCSSCH101J50 CCSSCH101J50	C6863	6807-C6809,C6813	CKSSYB102K50 CKSSYF104Z16
	C6480,C6482 C6462,C6463	CCSSCH101J50 CCSSCH120J50	C6815-C6817,C	6821,C6824-C6828	CKSSYF104Z16
	C6484	CEHVKW220M6R3	C6830,C6831,C	6834,C6835	CKSSYF104Z16
	C6402,C6404,C6406,C6408,C6410	CKSSYF104Z16	C6839-C6862		CKSSYF104Z16
	C6412,C6414,C6416,C6418,C6420	CKSSYF104Z16	RESISTORS		
	C6422,C6423,C6427,C6429,C6431 C6433,C6436,C6437,C6439,C6441	CKSSYF104Z16 CKSSYF104Z16	R6833,R6838		ACN1246
	C6443,C6445,C6447,C6450,C6451	CKSSYF104Z16	R6841,R6844-F		ACN1251
	C6455,C6457,C6458,C6460,C6461	CKSSYF104Z16	R6823,R6825,F	86816,R6820,R6821 86827,R6828	BCN1067 BCN1067
	C6465,C6467,C6469,C6471,C6473	CKSSYF104Z16	R6818		BCN1071
	C6475,C6477,C6479,C6481,C6483 C6490	CKSSYF104Z16 CKSSYF104Z16	R6832		RAB4CQ101J
		010011 104210	R6817 Other Resistors		RAB4CQ470J RS1/16S###J
	RESISTORS	AON4054	Other Resistors		NS1/105###J
	R6418,R6419,R6421 R6414	ACN1251 RAB4CQ100J		Z1	
	R6465	RAB4CQ103J	[MULTI BLOCI		
	R6438 R6416	RAB4CQ470J RAB4CQ680J	IC7001	<u> </u>	PEG121B
	Other Resistors	RS1/16S###J	IC7002 IC7004		S29JL032H70TFI21 TC74VHC08FTS1
		N31/103###J			
	OTHERS JA6402 HDMI CONNECTOR	AL/D1070	COILS AND F		CCG1162
	X6401 CRYSTAL	AKP1278 ASS1192			0001102
			CAPACITORS C7052		CKSSYB102K50
	[DSEL BLOCK]			7010-C7017,C7019	CKSSYF104Z16
	<u>SEMICONDUCTORS</u>		C7021,C7023,C C7032-C7034,C	7024,C7026-C7029	CKSSYF104Z16 CKSSYF104Z16
	IC6601 IC6602	PD6523A TC74LCX125FT		7044,C7046-C7048	CKSSYF104Z16
			C7050		CKSSYF104Z16
	COILS AND FILTERS ⚠ F6604 CHIP FERRITE BEAD	ATX1058			-
	⚠ F6601-F6603 EMI FILTER	CCG1162	RESISTORS B7011.B7013.B	7024,R7032,R7036	ACN1246
	CAPACITORS		R7062-R7064		ACN1251
	C6632 (10/6.3V)	ACG7046	R7015,R7023 R7016,R7018,F	7070	RAB4CQ101J RAB4CQ103J
	C6604	CCSRCH221J50	R7060	17070	RAB4CQ680J
	C6631 C6601-C6603,C6607-C6610	CKSSYB102K50 CKSSYF104Z16	OIL D		DO4/400/4/4/1
	C6613-C6617,C6619,C6621-C6623	CKSSYF104Z16	Other Resistors		RS1/16S###J
	C6625-C6627,C6629,C6630	CKSSYF104Z16	[MR IF BLOCK	n	
	RESISTORS		SEMICONDUC	-	
	R6603-R6605	ACN1251	IC7202		SII170BCLG64
	R6611,R6614,R6618	BCN1071	IC7201,IC7203 Q7206		TC74VHC08FTS1 2SA1586
	R6613,R6620 Other Resistors	RAB4CQ101J RS1/16S###J	Q7203,Q7207,C	27210	DTA124EUA
			Q7211		DTC124EUA
	OTHERS X6601 CRYSTAL	ASS1194	Q7209		HN1C01FU
			Q7201 D7202-D7206		RN1902 1SS355
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PDP-R06XE

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■ 5 ■	6	- 7	8	
Mark No. Description	Part No.	Mark No. Description	Part No.	
COILS AND FILTERS		FRONT ASSY		
♠ F7204-F7207 EMI FILTER ♠ L7201 CHIP FERRITE BEAD	ATF1209	SEMICONDUCTORS		
⚠ F7201-F7203,F7208 EMI FILTER	BTX1042 CCG1162	D7801-D7803	UDZS5R1(B)	Α
	0001102	D7804,D7808	UDZS9R1(B)	
<u>CAPACITORS</u>		COILS AND FILTERS		
C7203,C7207,C7208 (10/6.3V) C7226,C7227	ACG7046 CCSSCH100D50	L7801,L7802	LCTAW1R0J2520	
C7201,C7204,C7211,C7213,C7214	CCSSCH101J50	O A DA OLTODO		
C7216,C7217,C7219,C7221	CCSSCH101J50	CAPACITORS C7803.C7804	CKSRYB103K50	
C7223	CKSSYB102K50	C7805,C7808,C7809,C7813	CKSRYB105K10	
C7209,C7215,C7220,C7225,C7228	CKSSYB471K50	C7801	CKSRYB473K16	
C7202,C7205,C7206,C7210,C7212	CKSSYF104Z16		CKSSYB102K50 CKSSYF104Z16	
C7218,C7224	CKSSYF104Z16	07002,07000-07000	010011104210	
RESISTORS		C7835	DCH1165	В
R7215	RAB4CQ101J	RESISTORS		
R7216	RS1/16S5100F	R7801,R7803,R7809	RS1/16S75R0F	
Other Resistors	RS1/16S###J	Other Resistors	RS1/16S###J	
<u>OTHERS</u>		OTHERS		
CN7201 20P SOCKET	AKP1226	JA7803 3P PIN JACK	AKB1303	
CN7202 24P DVI SOCKET	AKP1250	CN7803 12P FFC CONNECTOR	AKM1233	
		CN7804 50P CONNECTOR	AKM1236	
		JA7801 4P MINI DIN SOCKET	AKP1238	
REAR IO ASSY				С
COILS AND FILTERS	LOTANA/500 10500	1 ED 400V		C
L7401,L7402	LCTAW560J2520	LED ASSY		
<u>CAPACITORS</u>		SEMICONDUCTORS Q8004	DTC124EUA	
C7404,C7405	CKSRYB102K50	Q8004 Q8002	RN2902	
C7401-C7403	CKSRYB105K10	D8003	SML-311UT	
RESISTORS		D8004	SML310BA1T	_
R7401-R7403	RS1/16S75R0F	SWITCHES AND RELAYS		
Other Resistors	RS1/16S###J	S8001-S8006	ASG1088	
OTHERS		O A DA OLTO DO		
JA7402 3P PIN JACK	AKB1328	CAPACITORS C8005,C8006	CCSRCH101J50	D
CN7402 CONNECTOR	CKS3826	C8001,C8002	CKSSYF104Z16	
JA7401 3P PIN JACK	PKB1034			
		RESISTORS	D04/400/11/11/1	
07.1007		All Resistors	RS1/16S###J	
SR ASSY		<u>OTHERS</u>		
SEMICONDUCTORS IC7601	MAX3232CPW	CN8001 CONNECTOR	CKS3826	
IC7601	TC74VHC125FTS1			
CAPACITORS	0510/////	POWER SUPPLY UNIT		Е
C7608 C7603-C7607.C7610	CEHVKW100M16 CKSSYF104Z16	POWER SUPPLY Unit has no service pa	art.	L
2.222 2.00.,0.0.0				
<u>RESISTORS</u>				
All Resistors	RS1/16S###J			
OTHERS				
CN7602 9P D-SUB SOCKET	AKP1213			_
CN7601 CONNECTOR	CKS3826			
				F

6. ADJUSTMENT

1. At shipment, the unit is adjusted to its best conditions. Normally, it is not necessary to readjust even if an assembly is replaced. Replacement of individual components on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.

3

2. Use a stable AC power supply.

6.1 POSSIBLE CASES WHERE READJUSTMENT IS REQUIRED

2

■ When any of the following assemblies is replaced

В (POWER SUPPLY Unit	No adjustment required
(MR MAIN Assy	No adjustment required
(PC Card Module	No adjustment required
• (R06 D-TUNER Assy	No adjustment required
(Other assemblies	No adjustment required

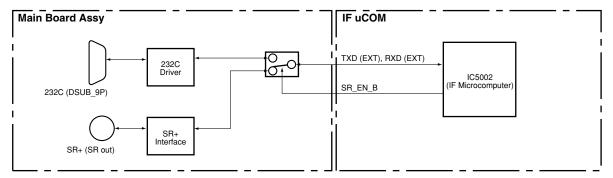
O	■ When any part in the following	assem	blies is replaced
	POWER SUPPLY Unit	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	MR MAIN Assy	→	Replacement of components IC4804, IC4806, IC5207, IC6001, IC6003 and IC6201 on the circuitboard can cause malfunction and/or failure. If replacement is necessary, the assembly must be replaced.
D	PC Card Module	→	The assembly must be replaced as a unit, and no part replacement is allowed.
	R06 D-TUNER Assy	→	The assembly must be replaced as a unit, and no part replacement is allowed.
I	Other assemblies	→	No adjustment required

PDP-R06XE

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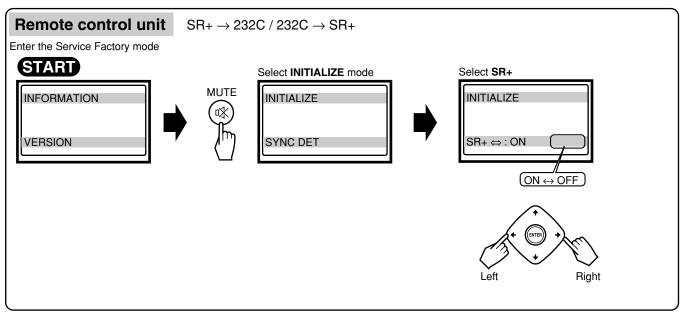
For the PDP-436HD and PDP-506HD series Plasma Displays, the circuitry is structured as shown in the diagram below to support the SR+ system. Controlling with either the SR+ system or RS-232C commands can be selected. As the SR+ system is selected at shipment, to control with RS-232C commands in servicing it is necessary to switch the paths. After servicing, be sure to return the setting to the SR+ system.

Rough diagram of switching between SR+ and RS-232C



● How to switch from SR+ to RS-232C

5



Tips: How to change the SR+/RS-232C setting without entering Service Factory mode

Hold the **VOLUME** ⊿+ or ⊿− key on the remote control unit pressed for 3-10 seconds during Standby mode. Then within 3 seconds after the key is released, hold the **2-screen ③** key on the remote control unit pressed for 3-10 seconds. Then within 3 seconds after the key is released, use the **SET** key on the remote control unit to set to RS-232C (the baud rate last selected is chosen) or the **HOME MENU** key to set to SR+.

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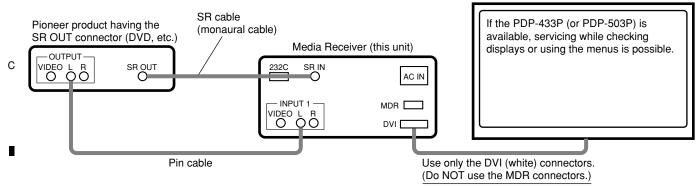
6.3 SERVICING USING ONLY THE MEDIA RECEIVER

For servicing of the PDP-436HD and PDP-506HD-series Plasma Display using only the Media Receiver, the following two methods can be used:

Operations using a Media Receiver alone are provided for rewriting software and essentially are not guaranteed as proper operations. As video signals are output during those operations, when the plasma display is connected to the Media Receiver, as shown in the connection examples below, you can check the signals on the screen. However, when a plasma display model prior to the PDP-433P(or PDP-503P) is connected, noise may appear in the signals. To check functions or operations, be sure to use a PDP-436P(or PDP-506P).

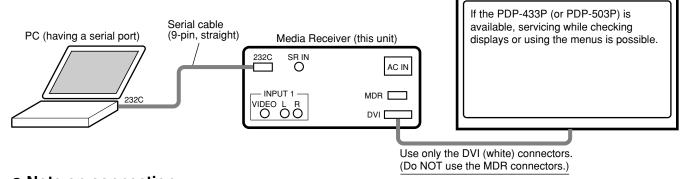
Remote controlling using SR connections (Except PDP-R06FE) About connections

- Connect the SR OUT connector of a Pioneer product having that connector (a DVD in the following example) and the SR IN connector of the Media Receiver, using the SR cable. As the remote control sensor is not provided with the Media Receiver, this connection is required for using the remote control unit if the panel is not available. In this case, aim the remote control unit at the remote control sensor of the device (DVD in this case).
- Connect either the audio or the video output of the device (DVD in the example) and the corresponding audio or video input of the Media
 Receiver, using a cable with phono plugs. This connection is required in order to use ground in common with the SR cable, because with the
 SR cable connection the ground connection for signal reference is not available. In the example, the audio L channel is used, but the audio
 R channel or video can be used instead.
 - If the plasma display for a previous model, such as the PDP-433P or PDP-503P, is available, servicing while checking displays or using the menus is possible. For this, connect only the DVI connectors (white) of the Media Receiver and the plasma display. The MDR connector of the Media Receiver must not be used, even though it has the same shape and number of pins, because signals assigned to the connectors differ. Using the MDR connector may damage the unit.



RS-232C control using a PC

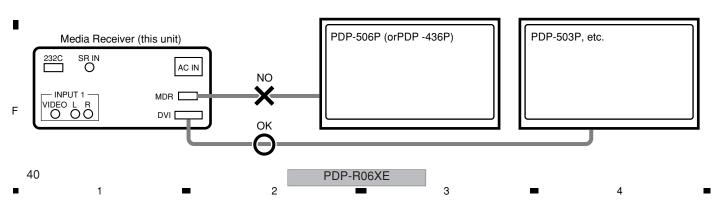
RS-232C control is not available in shipment. Please set baud rate of PC in 38400bps. For connection with the PC, use a straight cable.



Note on connection

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If the MDR connector of the PDP-436HD or PDP-506HD-series is used, it is considered that the PDP-436P (or PDP-506P) is connected, and the Media Receiver operates on such precondition, **which may result in a failure of the Media Receiver. Be sure not to connect to the MDR connector.** (Do NOT use the MDR connector when servicing the Media Receiver alone.)



To operate in Service Factory mode, use the supplied remote control unit.

How to enter Service Factory Mode

While in Standby mode, follow the below procedures with the remote control to enter Service Factoy mode.

- 1. Press the [DISPLAY] key.
- 2. 3 second counter will start.
- 3. After 3 seconds, press [LEFT] key. (If no operation is done within 10 seconds, the Service
- 4. 5 Second counter will start.
- 5. Before 5 second counter ends, press [UP] key.
- 6. Before 5 second counter ends, press [LEFT] key.
- 7. Before 5 second counter ends, press [RIGHT] key.
- 8. Before 5 second counter ends, press [POWER] key.
- Factory routine is cleared, and the standby mode is returned) 9. If the prodcedure is correct with the given time, the Service Factory mode is up and ready.
- * During step 3 to 8, if other operations took place, the Service Factory routine is cleared.
- * If the counter's time is up, normal standby mode is returned.

Operation in Service Factory mode

• Functions whose settings are set to OFF

The settings for the following functions are set to OFF when Service Factory mode is entered (including when the "FAY" command is received):

- Two-screen operations (input function set on the main side is selected)
- P ZOOM
- FREEZE
- Detection of the TRAP switch (The log in the EEPROM is retained.) (KUC type only)

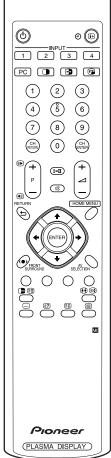
User data

User data will be treated as follows:

- · User data on picture- and audio-quality adjustments are not reflected, and factory-preset data are output (user data will be retained in memory). When the unit enters Factory mode, the current audio-quality adjustment data will still be retained in
- As to data on various settings, user data will be applied to the items that are associated with signal format change (screen size switching, etc.).
- · Data on screen (i.e., screen position; meaning clock dividers, and not including data on screen size) are reset to the default values (data stored in memory will be retained). Screen size will be retained.

■ Remote control codes in Service Factory mode

SR Function Main Function		Remarks		
Muting	Switching the main items	Shifting to the next main item (top)		
DOWN	Switching the subtitled items	Shifting downward to the next subtitled item		
UP	Switching the subtitled items	Shifting upward to the next upper layer		
LEFT	Increasing the adjustment value	Increasing the adjustment value		
RIGHT	Decreasing the adjustment value	Decreasing the adjustment value		
SET	Switching layers	Shifting downward or upward to the next lower or upper layer		
INPUT	Selecting input	Shifting the input to the next function		
INPUTxx	Selecting input	Switching the input to xx		
CH+	Increasing the channel number	Advancing a preset channel (effective when Function is set to TV)		
CH-	Decreasing the channel number	Turning a preset channel backward (effective when Function is set to TV)		
Numeric keys	Function: TV	Function: TV (previously selected channel number is selected)		
POWER	Power OFF	Turning the power off		
FACTORY	Factory OFF	Turning Service Factory mode off		
MENU	Menu ON	Turning Service Factory mode off and Menu mode on		



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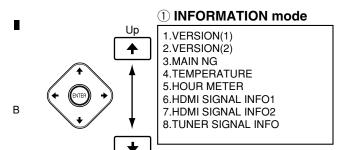
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■ Changes of the Service Factory menus



Down



6 INITIALIZE mode

1.SYNC DET
2.SG MODE
3.SG PATTERN
4.SIDE MASK LEVEL
5.FINAL SETUP
6.SR+
7.UART SELECT
8.CVT AUTO
9.HDMI INTR POSITION





2 FUNCTION CHECK mode

1.FAN 2.DTB ANT VOLT (PDP-R06XE Only)



5 OPTION mode

1.PEAK LIMITER 2.EDID WRITE MODE 3.CH PRESET



③ COMMON ADJ. mode

1. RGB 1



4 PANEL FACTORY mode

1.PANEL INFORMATION
2.PANEL WORKS
3.POWER DOWN
4.SHUT DOWN
5.PANEL-1 ADJ
6.PANEL-2 ADJ
7.PANEL REVICE
8.ETC
9.MASK SETUP

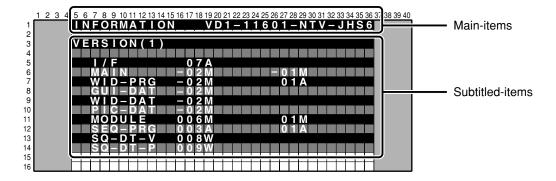
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PDP-R06XE

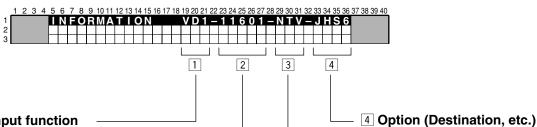
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■ Indications in Service Factory mode



■ Main-item indications

Four parameters are displayed:



1 Input function

Input Functions	On-Screen Display
INPUT 1-5	AV 1 - 5
Analog Tuner	AIR
Digital Tuner	ARD
PC Card	PCC
PC	PC

Note: AV5/ARD/PCC/ PC is PDP-R06XE only.

2 SIG mode and screen size

Note: See SIG-Mode Tables. (See next page.)

3 Color system and signal type

Color System and Signal Type		On-Screen Display	Color System and Signal Type		On-Screen Display
NTSC		NTV	NTSC		NTS
PAL		PLV	PAL		PLS
PAL N		PNV	PAL N		PNS
PAL M	Composite input	PMV	PAL M	S-connector input	PMS
SECAM		SCV	SECAM		SCS
4.43NTSC		4NV	4.43NTSC		4NS
BLACK/WHITE		BWV	BLACK/WHITE		BWS
Y/CB/CR	•	CBR	RGB		RGB
Y / PB / PR		PBR	Digital video signal		DIG

Options

Advanced: PDP-R06XE

Basic: PDP-R06FE

On-Screen Display

EHS6

EBS6

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SIG-Mode Table

В

The signal mode is displayed in four charecters:

1st and 2nd charecters: Resolutin of the input signal (numerics for the video signals, and alphabetics for the PC signals)

3rd and 4th charecters: Grouping of the V frequencies (refresh rate)

5th charecter : Selection of the screen size by the user is displayed.

SIG-Mode table for video signals (resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
10	50	SDTV*625i	50.000	15.625
10	60	SDTV*525i	60.000	15.750
12	60	SDTV*525i (PAL60)	60.000	15.750
00	50	SDTV*625p	50.000	31.250
20 60	60	SDTV*525p	60.000	31.500
00	50	HDTV*1125i	50.000	28.125
30	60	HDTV*1125i	60.000	33.750
40	50	HDTV*750p	50.000	37.500
40	60	HDTV*750p	60.000	45.000
50	24	HDTV*1125p	24.000	27.000

Fv: Vertical Frequency, Fh: Horizontal Frequency

SIG-Mode table for PC signals(resolutions and V frequencies)

1st and 2nd	3rd and 4th	Signal Type	Fv (Hz)	Fh (kHz)
C1	70	720x400	70.087	31.469
	60		59.940	31.469
C2	72	640x480	72.809	37.861
	75		75.000	37.500
	56		56.250	35.1556
0.4	60	800x600	60.317	37.879
C4	72		72.188	48.077
	75		75.000	46.875
	60		60.004	48.363
C7	70	1024x768	70.069	56.476
	75		75.029	60.023
	56		56.250	45.113
C8	60	1280x768	59.833	47.986
	70		70.000	56.137

Fv: Vertical Frequency, Fh: Horizontal Frequency

Selecti	Selection of the screen size by the user is displayed.				
5th	Description on GUI	VIDEO	PC	Remarks	
0	DOT BY DOT	_	•		
1	4:3	•	•		
2	FULL(FULL1)	•	•		
3	ZOOM	•	_		
4	CINEMA	•	-		
5	WIDE	•	-		
6	FULL 14:9	•	-		
7	CINEMA 14:9	•	_		
8	FULL2	•	•		

●: available, -: not available

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PDP-R06XE

■ Factory Menus

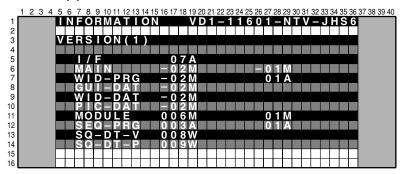
1) INFORMATION mode

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Operation items

No.	Function / Display	Content	
1	VERSION (1)	The flash memory versions for each device are displayed. (common part)	
2	VERSION (2)	The flash memory versions for each device are displayed. (individual part)	QS6
3	MAIN NG	The shutdown generated on Media Receiver side and its time of occurrence are displayed.	
4	TEMPERATURE	Information of temperature and fan status on Media Receiver side are displayed.	
5	HOUR METER Cumulative power-on time to the Media Receiver is displayed.		-
6	HDMI SIGNAL INFO 1	The file information of HDMI series are displayed.	
7	HDMI SIGNAL INFO 2		
8	TUNER SIGNAL INFO	The signal information on TUNER is displayed.	_

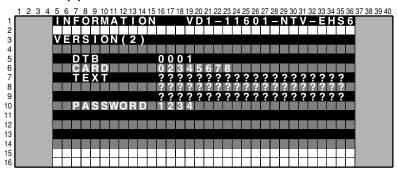
1. VERSION (1)



Flash memory on Device	On-Screen Display
IF microcomputer	I/F
Main microcomputer	MAIN
Program for CARRERA-MANTA	WID-PRG
GUI data for CARRERA-MANTA	GUI-DAT
Enhanced data for CARRERA-MANTA.	WID-DAT
Picture Quality data for CARRERA-MANTA	PIC-DAT
Module microcomputer(for the PDP)	MODULE
Program for ASTRA-MANTA(for the PDP)	SEQ-PRG
Sequence data for ASTRA-MANTA Video	SQ-DT-V
Sequence data for ASTRA-MANTA PC	SQ-DT-P

2. VERSION (2)

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On - Screen Display	Version Display	Remarks
DTB	4 character	PDP-R06XE only
CARD	8 character	PDP-R06XE only
TEXT	60 character	20 character x 3
PASSWORD	4 character	
	DTB CARD TEXT	DTB 4 character CARD 8 character TEXT 60 character

45

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PDP-R06XE

В

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 44

INFORMATION VD1-11601-NTV-JHS6

MAIN NG

MAIN SUB

1 MA-IIC FE2

2 MA-IIC AV-SW

0 0 0 1 3 H 5 0 M

3 MA-SRL

D-SEL

0 0 0 0 2 H 5 2 M

4 MAIN ----
0 0 0 0 0 H 5 8 M

5 TEMP2

12

13

14

15

16

• Media Receiver NG information

OSD: MAIN	OSD: SUB	Cause of Shutdown
MODULE		Abnormary in Module microcomputer communication
MA-SRL		Abnormary in 3-wire Serial Communication of the Main microcomputer.
	IF	Communication failure of IF microcomputer
	MULTI1	MANTA communication failure(MULIT1)
	I/P	MANTA communication failure(I/P)
	D-SEL	MANTA communication failure(D-SEL)
MA-IIC		Abnormary in Main microcomputer IIC communication
	FE1	Analog Tuner 1(Front End 1)
	FE2 *	Analog Tuner 2(Front End 2)
	MPX	MPX
	AV-SW	AV Switch
	RGB-SW	RGB Switch
	CCD *	CCD
	GCR *	GCR
	M-VDEC	Main VDEC
	S-VDEC	Sub VDEC
	ADC	AD/PLL
	HDMI	НОМІ
	PLK-T	TMDS Tx
	PLK-R	TMDS Rx
	TX-COM	M2 Communication
	TX-BSY	M2 Busy
	MA-EEP	64k EEPROM
MAIN		Abnormary in Main microcomputer communication
FAN		Fan stopped
TEMP2		Abnormally high temperature of the MR.
DTUNER		Failure of the Digital Tuner
	PS/RST	Failure in DTB Starting
	RETRY	DTB communication failure
M-DCDC Powe		Power decrease of the DC-DC converter (only for SX model)
HOME-G		Failure of the Home Gallery
	CD-COM	PC Card Communication failure
	CD-DEV	Requirement for resetting from the PC Card
	CD-RST	PC Card reset failure

^{*:} Not available

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PDP-R06XE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

INFORMATION VD1 - 11 6 0 1 - NTV - J H S 6

TEMPERATURE

TEMP2 : 1 3 0

FAN : MIN

FAN : MIN

111

122

131

144

155

16

TEMP2: The value read from the temperature sensor built into the Media Receiver is displayed in the range of 000-255. For reference, the approximate value for 60°C is 86 and for 35°C is 67.

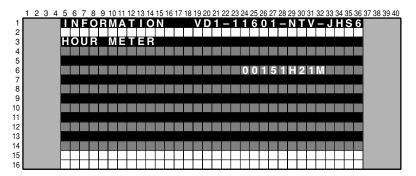
Reference: When TEMP2 exceeds 100 (about 78°C), SD LED (Blue) flash 11 times.

FAN: The value of the Fan output is displayed.

STOP: stopped, MIN: slow speed, MAX: high speed

5. HOUR METER

5



The cumulative power-on time of the Media Receiver is displayed.

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6. HDMI SIGNAL INFO

В

• Technical examination display (Reading status registers in HDMI receiver and displaying them by HEX value.)

	HDMI SIGNAL INFO 1			
	SA Context			
	- 4E:	Video DE pixels [7:0]		
	- 4F:	Video DE pixels [11:8]		
0x60	- 50:	Video DE lines [7:0]		
	- 51:	Video DE lines [10:8]		
	- 55:	Video status (interlace or progressive, sync polarity)		
	- 2A:	Audio in channel status (PCM, copy information etc.)		
	- 30:	Audio in SPDIF channel status (sampling frequency)		
	- 31:	Audio in SPDIF channel status (sample word length)		
	- 44:	AVI InfoFrame data1 (video format etc.)		
	- 45:	AVI InfoFrame data2 (colorimetry, aspect ratio)		
	- 46:	AVI InfoFrame data3 (video scaling)		
0x68	- 47:	AVI InfoFrame data4 (video identification code)		
	- 48:	AVI InfoFrame data5 (pixel repeat value for 2880dot)		
	- 84:	Audio InfoFrame data1 (channel count, cording type)		
	- 85:	Audio InfoFrame data2 (always zero)		
	- 86:	Audio InfoFrame data3 (always zero)		
	- 87:	Audio InfoFrame data4 (channel / speaker allocation)		
	- 88:	Audio InfoFrame data5 (downmix inhibit, level shift value for downmixing)		

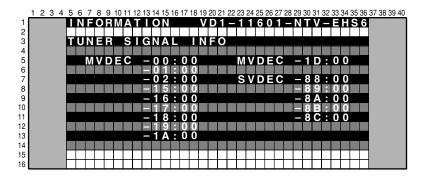
48

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PDP-R06XE

	HDMI SIGNAL INFO 2			
	SA	Context		
	- 3A:	Video full H resolution [7:0]		
0,400	- 3B:	Video full H resolution [12:8]		
0x60	- 3C:	Video full V lines [7:0]		
	- 3D:	Video full V lines [10:8]		
	- 06:	N Value for audio clock regeneration method. [7:0]		
	- 07:	N Value for audio clock regeneration method. [15:8]		
0,,00	- 08:	N Value for audio clock regeneration method. [19:16]		
0x68	- 0C:	CTS Value for audio clock regeneration method. [7:0]		
	- 0D:	CTS Value for audio clock regeneration method. [15:8]		
	- 0E:	CTS Value for audio clock regeneration method. [19:16]		

7. TUNER SIGNAL INFO



• Tuner signal information in MVDEC / SVDEC.

Device	SA	Context	
	00h	Signal distinction 1	
	01h	Signal distinction 2	
	02h	Flag detection output	
	15h	Noise level detection 1	
MVDEO	16h	Noise level detection 2	
MVDEC	17h	Non - standard signal detection	
	18h	Subcarrier signal detection	
	19h	ACC data output	
	1Ah	ACC information output	
	1Dh	Input signal mode	
	88h	Status register 1 (TV/VCR status)	
	89h	Status register 2 (Macrovision detection etc)	
SVDEC	8Ah	Status register 3 (Front-end AGC gain value)	
-	8Bh	Status register 4 (Subcarrier to horizontal (SCH) phase)	
	8Ch	Status register 5 (signal distinction)	

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2 FUNCTION CHECK

Operation items

No.	Display Content		RS-232C
1	FAN <=>	Control FAN speed for Force.	_
2	DTB ANT VOLT <=>	Change the power supply voltage for DTB antenna.	_

3

2

3 COMMON ADJ. mode

RGB1

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С

Only for the technical use.

4 PANEL FACTORY mode

Operation items

No.	Function / Display
1	PANEL INFORMATION
2	PANEL WORKS
3	POWER DOWN
4	SHUT DOWN
5	PANEL-1 ADJ
6	PANEL-2 ADJ
7	PANEL REVICE
8	ETC
9	MASK SETUP

Refer to the service manual of the PDP-506P/436P.

⑤ OPTION mode

Operation items

No.	Function/Display	RS-232C	
1	PEAK LIMITTER ⇔	Control Peak Limitter (Select ON/OFF)	_
2	EDID WRITE MODE ⇔	Control EDID WRITE MODE (Select DISABLE/ENABLE)	
3	CH PRESET ⇔	USER ⇔ FACTORY	

50

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PDP-R06XE

6 INITIALIZE mode

5

Operation items

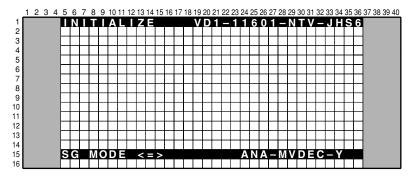
No.	Function/Display	Content	RS-232C
1	SYNC DET(+)	Only for the technical use.	_
2	SG MODE ⇔	Paired SG_MODE with SG_PATTERN. Select SG Route.	_
3	SG PATTERN ⇔	Paired SG_MODE with SG_PATTERN. Select SG Pattern.	_
4	SIDE MASK LEVEL(+)	Adjust Side Mask Color(R,G,B).	BSL GSL RSL
5	FINAL SETUP(+)	Initialize flash memories on virgin product status	FST
6	SR+ ⇔	Select SR+ mode or UART SELECT mode.	_
7	UART SELECT ⇔	Select boud Rate on RS-232C Communication	_
8	CVT AUTO ⇔	Only for the productical use.	_
9	HDMI INTR POSITION(+)	Only for the technical use.	_

1. SYNC DET(+)

Only for the technical use.

2. SG MODE

The route of the Test Signal from the MVDEC is chosen by this function. After setting this function, SG pattern should be set.



No.	Display	Function
1	SG OFF	SG is set to OFF
2	DIG MVDEC YCBCR	Digital output (YCbCr)
3	ANA MVDEC Y	Analog output to the Videio SW (Y)
4	ANA MVDEC RGB	SCART (PDP-R06XE only)
5	ANA SVDEC Y	Analog output to the SUB Videio SW(Y)
6	ANA AD YCBCR	Analog output to the RGB SW (YCbCr)
7	ANA AD RGB	Analog output to the RGB SW (RGB)

51

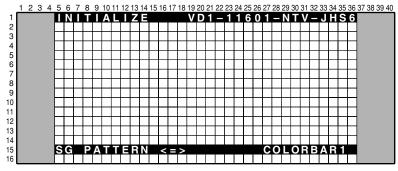
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3. SG PATTERN

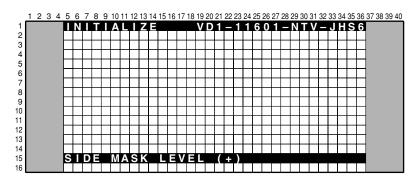


No.	Function/Display	SG Pattern (Brightness IRE Level/Color)	No.	Function/Display	SG Pattern (Brightness IRE Level/Color)
1	COLOR BAR1	Colorbar(75%)	11	RASTER4	Raster(75% Green)
2	COLOR BAR2	Colorbar(100%)	12	RASTER5	Raster(75% Magenta)
3	RAMP1	Ramp(100% white)	13	RASTER6	Raster(75% Red)
4	RAMP2	Ramp(100% Yellow)	14	RASTER7	Raster(75% Blue)
5	RAMP3	Ramp(75% Green)	15	RASTER8	Raster(-% Black)
6	RAMP4	Ramp(75% Red)	16	10STEP1	10STEP(100% white)
7	RAMP5	Ramp(75% Blue)	17	10STEP2	10STEP(100% Yellow)
8	RASTER1	Raster(100% White)	18	10STEP3	10STEP(75% Green)
9	RASTER2	Raster(75% Yellow)	19	10STEP4	10STEP(75% Red)
10	RASTER3	Raster(75% Cyanide)	20	10STEP5	10STEP(75% Blue)

Important notice of the Test Signal mode (SG mode, SG pattern)

- The route switching should be done correctly in the factory mode.
- Y or G signal from SG should be input to the AVI terminal of the MVDEC when the SG signal is output.
- The function of the blanking offset (50 IRE) should be OFF during the SG mode.
- The setting of the Y/C separation function should be set to the NTSC during the SG mode
- Only the RGB and Component signals can be output during SG mode, so only the Y signal is input at the CVBS and S signal mode, thus the picture is composed in black and white color. This isn't a trouble.
- The SG mode 7 (ANA AD RGB) is only for the factory mode. Therefore some probrem (strange color, unstable brightness etc.) might be happened.

4. SIDE MASK LEVEL



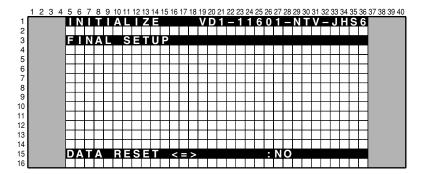
Level of the side mask (R, G, and B) can be adjusted by using this menu. The input signal is necessary to adjust it.

No.	Display	Context	RS-232C
1	R MASK LEVEL ⇔	Adjust Side Mask R (range :000-255)	RSL
2	G MASK LEVEL ⇔	Adjust Side Mask G (range :000-255)	GSL
3	B MASK LEVEL ⇔	Adjust Side Mask B (range :000-255)	BSL

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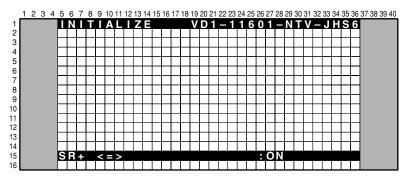
PDP-R06XE

5. FINAL SETUP



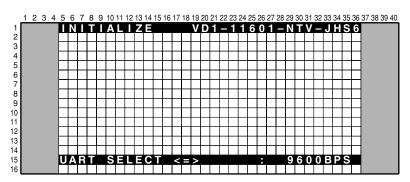
The value of all memorized data are set to shipment status. If the ENTER key is kept on pressing for 5 second when the status of this menu is YES, final setup will be done.

6. SR+



SR+ function \rightarrow ON, RS232C function \rightarrow OFF

7. UART SELECT



This function can be selected when the SR+ function is OFF.

Option No.	Display	Operation / Control	RS-232C
1 (Initial setting)		To Set to SR+ (9600bps)	SR+ is ON
2	1200	To Set to RS-232C (1200bps)	SR+ is OFF
3	2400	To Set to RS-232C (2400bps)	SR+ is OFF
4	4800	To Set to RS-232C (4800bps)	SR+ is OFF
5	9600	To Set to RS-232C (9600bps)	SR+ is OFF
6	19200	To Set to RS-232C (19200bps)	SR+ is OFF
7	38400	To Set to RS-232C (38400bps)	SR+ is OFF

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6.5 LIST OF RS-232C COMMANDS (MEDIA RECEIVER)

RS-232C commands can be used in Service Factory mode. Before using RS-232C commands, it is necessary to change the factory presetting. See " 6.2 USING RS-232C COMANDS".
Refer to the service manual of the PDP506P/406P for the panel command.

[Note : If you want to see version information (ex. QS1, QS6, Factory, Menu), Please see 10 seconds after starting.]

Command	Operation	Remarks
В		
BSL	Adjust side mask B	
С		
CNG	Clearing MR NG information	
CHR	Clearing MR Hour meter	
D		
DW*	Decreasing the adjustment value by*	*:1-9, 0(0 means 10),F(making the adjustment value the minimum)
F		
FAN	Turning Service Factory mode off.	
FAY	Turning Service Factory mode on.	
FST	Final Set Up	
G		
GSL	Adjust side mask side mask G	
I		
INA	Selection of tuner for terrestrial analog signals.	PDP-R06XE only
INC***	Selection of tuner for terrestrial digital signals	PDP-R06XE only
INH	Selection of SD card/PCMCIA card	PDP-R06XE only
INPS01	Input selection: input 1	
INPS02	Input selection: input 2	
INPS03	Input selection: input 3	
INPS04	Input selection: input 4	
INPS05	Input selection: input 5	
INPS06	Input selection: input 6	PDP-R06XE only
0		
OSDS00	Turning the On-Screen Display off	Prohibit On-Screen Display.
OSDS01	Turning the On-Screen Display on	Permit On-Screen Display.
Р		
POF	Turning the power off.	
PON	Turning the power on.	
Q		
QS1	Obtaining the version data for each device.	
QS6	Obtaining the any version.	
QMT	Obtaining the MR temperature information.	
QNG	Obtaining NG data of the MR.	
R		
RSL	Adjust side mask side mask R	
U		
UP*	Increasing the adjustment value by *	*:1-9, 0(0 means 10),F(making the adjustment value the maximum)
Z		
ZME	Initializing of the EEPROM video data	

PDP-R06XE

6.6 OUTLINE OF COMMANDS

QS1: Returning information on the module and the version of the software.

Order	Part	Data Content	Size	Remarks
0	-	Received Command Name on MR	3 byte	'QS1' only
1		Display Information 1	1 byte	
2		Display Information 2	1 byte	
3		Display Information 3	1 byte	
4		Display Information 4	1 byte	
5		Display Information 5	1 byte	
6		Boot Version of Module microcomputer.	3 byte	
7	MDU	Program Version of Module microcomputer.	8 byte	
8		Boot Version of ASTRA-MANTA	3 byte	
9		Program Version of ASTRA-MANTA	8 byte	
10		Sequence Version (43VIDEO)	4 byte	
11		Sequence Version (43PC)	4 byte	
12		Sequence Version (50VIDEO)	4 byte	
13		Sequence Version (50PC)	4 byte	
14		, (comma)	1 byte	
15		MR Infomation 1	1 byte	
16		MR Infomation 2	1 byte	
17		MR Infomation 3	1 byte	
18		MR Infomation 4	1 byte	
19	MR	Version of IF microcomputer	4 byte	
20	INIK	Version of Main microcomputer	8 byte	
21		Boot Version of Main microcomputer	4 byte	
22		Program Version of CARRERA-MANTA	8 byte	
23		Boot Version of CARRERA-MANTA	4 byte	
24		GUI Version of CARRERA-MANTA	8 byte	
25		Enhanced Version of CARRERA-MANTA	8 byte	
26		PIC Version of CARRERA-MANTA	8 byte	

QS6: Returning information of the Flash Device.

Order	Data Content	Size	Remarks
0	Received Command Name on MR	3 byte	'QS6' only
1	Version of DTB (PDP-R06XE only)	4 byte	
2	Version of PC Card (PDP-R06XE only)	8 byte	
3	Version of Text	60 byte	
4	User Passward	4 byte	

QMT: Returning information of MR temperature and FAN speed.

Order	Data Content	Size	Remark
1	Received Command Name on MR	3 byte	'QMT' only
2	MR Temperature	3 byte	
3	MR FAN Speed	1 byte	0: STOP 1: MIN 2: MAX

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PDP-R06XE

QNG: Returning data (logs keep on Main microcomputer) on shutdown of Media Receiver.

Order	Data	Size	Context
0	Received Command Name on MR	3 byte	'QNG' only
1	Latest NG data	1 byte	
2	Data of subcategory for the latest NG	1 byte	
3	Data of MR hour meter for the latest NG	7 byte	
4	Data of temperature for the latest NG	3 byte	
5	2nd latest NG data	1 byte	
6	Data of subcategory for the 2nd latest NG	1 byte	
7	Data of MR hour meter for the 2nd latest NG	7 byte	
8	Data of temperature for the 2nd latest NG	3 byte	
:	:	:	
29	7th latest NG data	1 byte	
30	Data of subcategory for the 8th latest NG	1 byte	
31	Data of MR hour meter for the 8th latest NG	7 byte	
32	Data of temperature for the 8th latest NG	3 byte	

Details on the NG data and subcategory

Data	Cause of Shutdown	Remarks
0	Normal	
1	Failure of communication to Module microcomputer	
2	3-wire Serial Communication of Main microcomputer.	Subcategory ⇒ 1
3	IIC Communication failure of Main microcomputer	Subcategory ⇒ 2
4	Communication failure of Main microcomputer &Unknown Error	
5	Fan stopped	
6	Abnormally high temperature at MR.	
7	Failure of Digital Tuner	Subcategory ⇒ 3
8	Abnormally in RST2 of MR(power decrease of DC-DC converter)	
9	Failure at Home Gallary	Subcategory \Rightarrow 4

• Data on Subcategories for failure in 3-wire serial communication of Main microcomputer (subcategory 1)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Communication failure of IF microcomputer	Power OFF
2	MANTA communication failure(MULIT1)	Power OFF
3	MANTA communication failure(MULIT2)	Reserved
4	MANTA communication failure(I/P)	
5	MANTA communication failure(D-SEL)	

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PDP-R06XE

• Data on Subcategories for failure in IIC communication of Main microcomputer (subcategory 2)

Data	Cause of Shutdown	Data	Cause of Shutdown
0	Non subcategory	Α	AD/PLL
1	Analog Tuner 1(Front End 1)	В	HDMI
2	Analog Tuner 2(Front End 2)	С	TMDS Tx
3	MPX	D	TMDS Rx
4	AV Switch	E	M2 Communication
5	RGB Switch	F	M2 Busy
6	CCD	G	64k EEPROM
7	GCR		
8	Main VDEC		
9	Sub VDEC		

• Data on Subcategories for failure in the DTB communication of Main microcomputer (subcategory 3)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure to DTB Starting	
2	Communication failure to DTB	

• Data on Subcategories for failure in the Home Gallery communicaion of Main microcomputer (subcategory 4)

Data	Cause of Shutdown	Remarks
0	Non subcategory	
1	Failure of PC Card Communication	
2	Failure of PC Card	
3	PC Card Reset NG	

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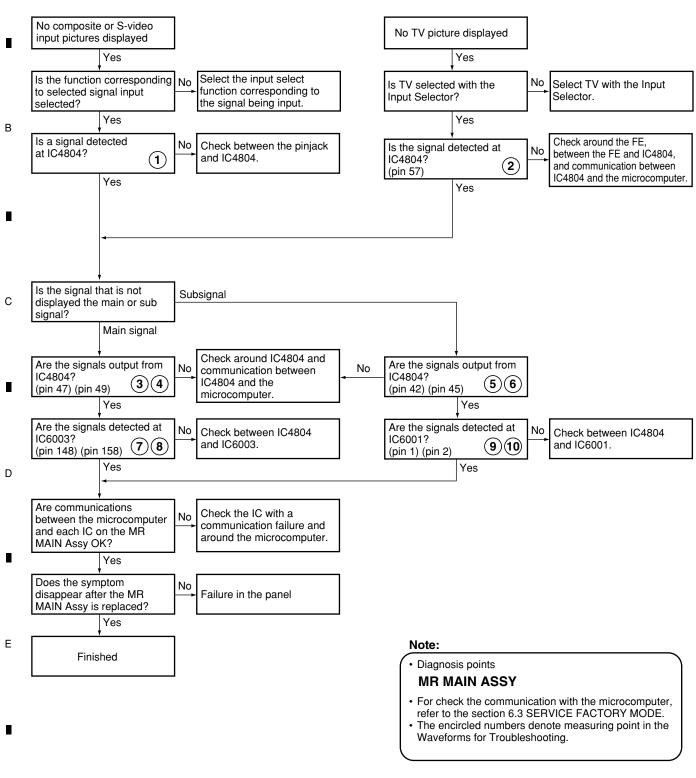
Е

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 TROUBLESHOOTING

No composite or S-video input pictures displayed

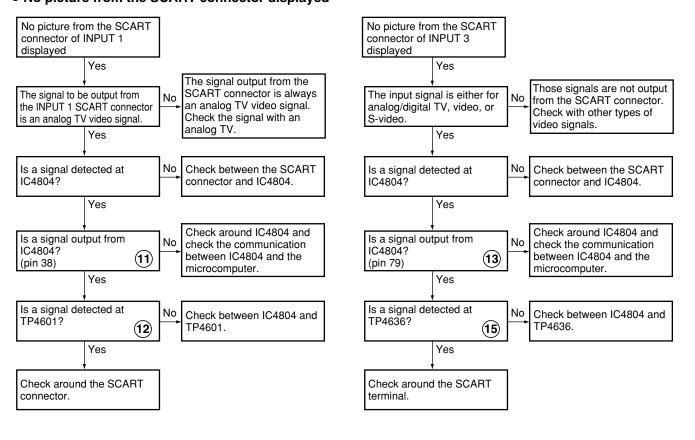


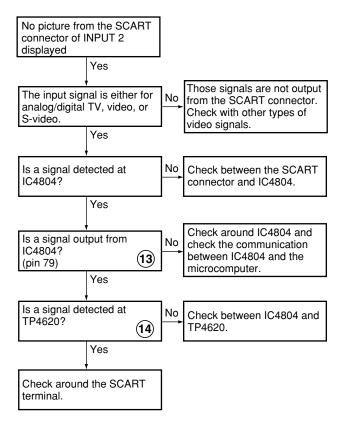
58

PDP-R06XE

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No picture from the SCART connector displayed





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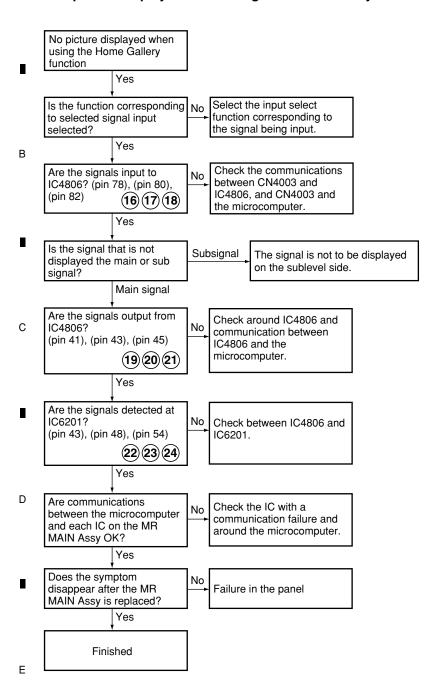
59

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8

1 2 3 4

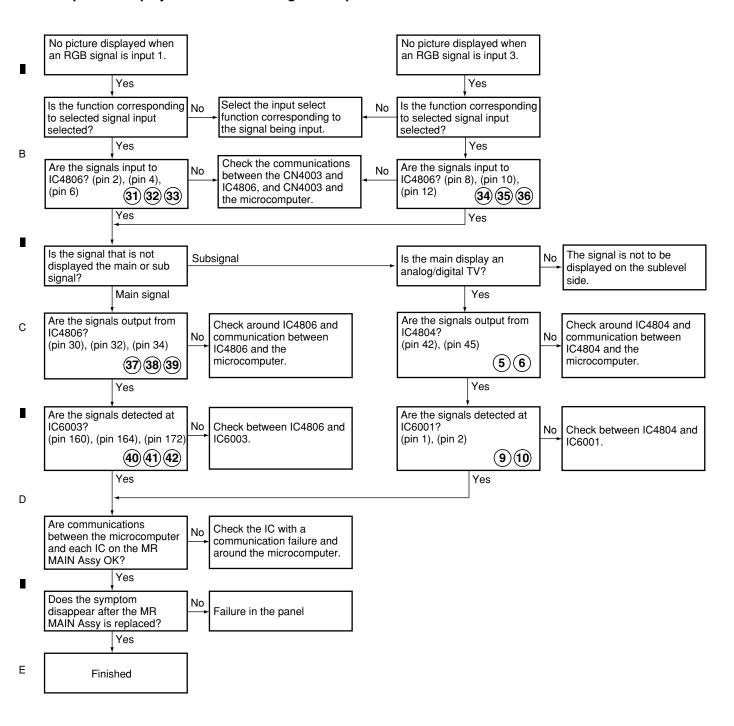
• No picture displayed when using the Home Gallery function



61

8

• No picture displayed when an RGB signal is input



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PDP-R06XE

1 2 3 4

correctly and check the

sound again.

5

connected between CN4001

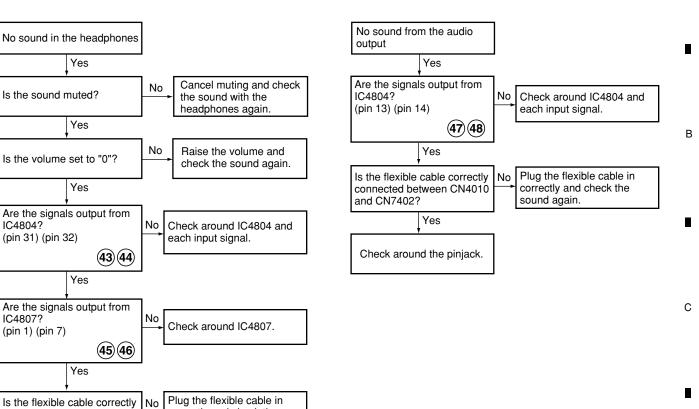
Check around the phono

Yes

5

and CN7804?

jack.



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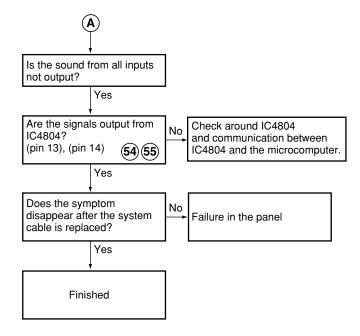
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PDP-R06XE

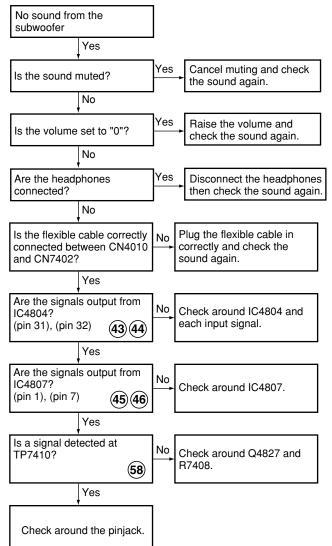
3 No sound from the speakers (1/2) No sound from the speakers Yes Cancel muting and check Is the sound muted? the sound with the headphones again. No Raise the volume and Is the volume set to "0"? check the sound again. No Disconnect the headphones Are the headphones and check the sound from connected? the speakers again. No Is only the sound from No Is only the sound of TV not the front input connector output? not output? Yes Yes Is a signal input to IC4401? Check around FE (U4401) Is the flexible cable correctly Plug the flexible cable in No No and communication between connected between CN4001 correctly and check the **(49)** FE and the microcomputer. and CN7804? sound again. Yes Yes Are the signals output from Check the communications No IC4401? between the FE and IC4401 (pin 30), (pin 31) (50) (51) and around IC4401. Is only the sound from the No HDMI connector not output? Yes Yes Are the signals input to No Check between IC4401 and IC4804? Are the signals output from IC4804. (pin 19), (pin 20) (52)(53)IC6405? (pin 7), (pin 8) (56) (57) Yes Yes Are the signals output from Check around IC4804 Check around IC6405 No IC4804? and communication between and communication between (pin 13), (pin 14) (54)(55) IC4804 and the microcomputer. IC6405 and the microcomputer. Yes Does the symptom No disappear after the system Failure in the panel cable is replaced? Is only the sound from the No Yes SCART input connector not output? Yes Finished Check between SCART connector and IC4804. 64 PDP-R06XE

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В



No sound from the subwoofer



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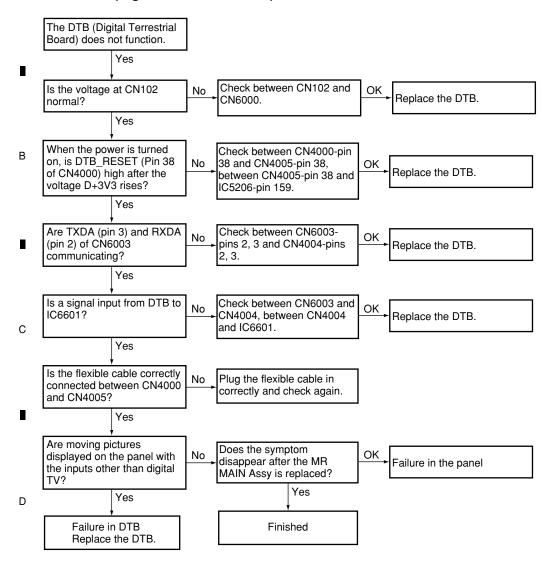
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■ 2 ■ 3 ■ 4

• The DTB (Digital Terrestrial Board) does not function



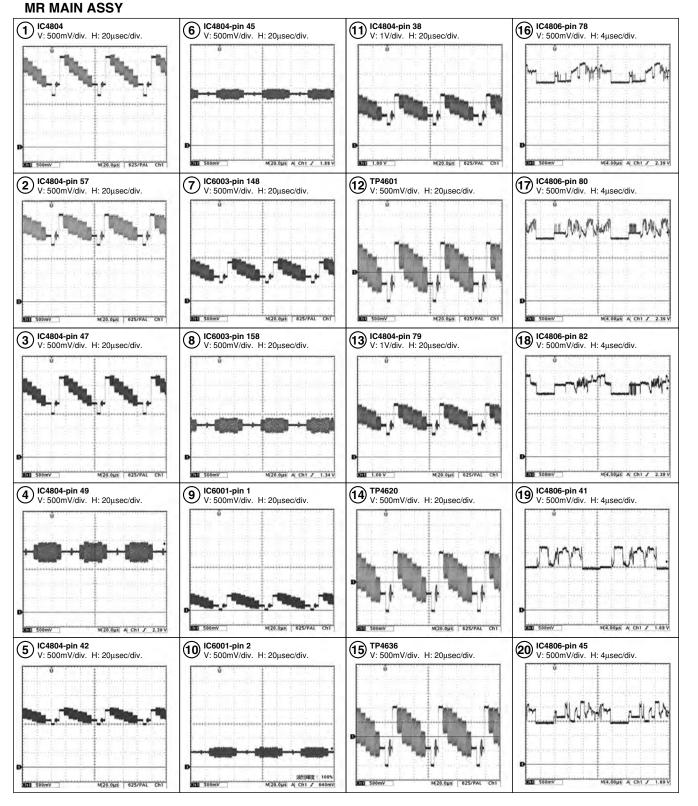
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PDP-R06XE
1 ■ 2 ■ 3 ■ 4

Waveforms for Troubleshooting



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8

В

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PDP-R06XE

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1 2 3 4

Α

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С

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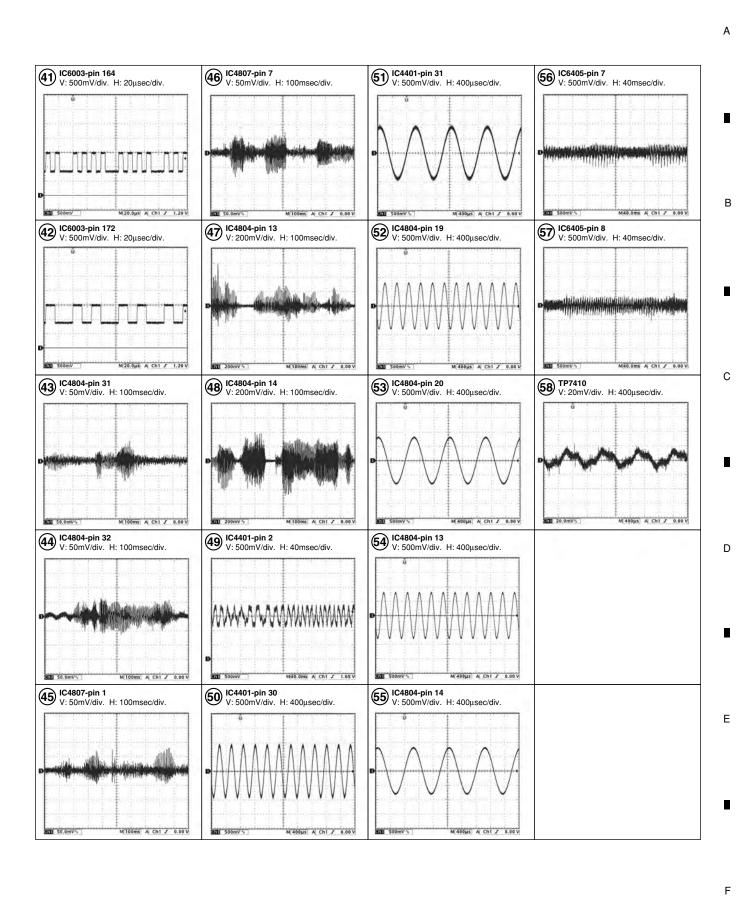
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21) IC4806-pin 45 V: 500mV/div. H: 4μsec/div. **26** IC4806-pin 96 V: 500mV/div. H: 10μsec/div. **31) IC4806-pin 2** V: 500mV/div. H: 20μsec/div. **36** IC4806-pin 12 V: 500mV/div. H: 20μsec/div. M(4.00µs) A Ch1 J 1.69 V M(10.0μs A Ch1 5 2.77 V M(20.0µs) A| Ch1 ✓ 2.56 V M(20.0µs) A Ch1 ✓ 2.56 V **(22)** IC6201-pin 43 V: 500mV/div. H: 4μsec/div. **27** IC4806-pin 98 V: 500mV/div. H: 10μsec/div. **32** IC4806-pin 4 V: 500mV/div. H: 20μsec/div. **37** IC4806-pin 30 V: 500mV/div. H: 20μsec/div. M(20.0µs) A Ch1 ✓ 2.56 V M(10.0µs) A Ch1 J 2.77 V M[20.0µs] A| Ch1 J 1.75 V M4.00µs A Ch1 5 260m **23** IC6201-pin 48 V: 500mV/div. H: 4μsec/div. **28** IC4806-pin 64 V: 500mV/div. H: 10μsec/div. **33** IC4806-pin 6 V: 500mV/div. H: 20μsec/div. **38** IC4806-pin 32 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 / 260n M[10.0µs] A| Ch1 ♪ 2.56 V M[20.0µs] A| Ch1 F 2.56 V M(20.0µs) A Ch1 ✓ 1.75 V **24** IC6201-pin 54 V: 500mV/div. H: 4μsec/div. **29** IC4806-pin 66 V: 500mV/div. H: 10μsec/div. **34** IC4806-pin 8 V: 500mV/div. H: 20μsec/div. **39** IC4806-pin 34 V: 500mV/div. H: 20μsec/div. M4.00µs A Ch1 ≠ 260mV M 10.0µs A Ch1 5 2.56 V M(20.0µs) A Ch1 & 2.56 V M(20.0µs) A| Ch1 ♪ 1.75 V **25** IC4806-pin 94 V: 500mV/div. H: 10μsec/div. **30** IC4806-pin 68 V: 500mV/div. H: 10μsec/div. **35** IC4806-pin 10 V: 500mV/div. H: 20μsec/div. **40** IC6003-pin 160 V: 500mV/div. H: 20μsec/div. M 10.0µs A Ch1 ✓ 2.56 V M 20.0µs A Ch1 ✓ 2.56 V

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7.1.2 DISASSEMBLY

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

For PDP-R06XE Model

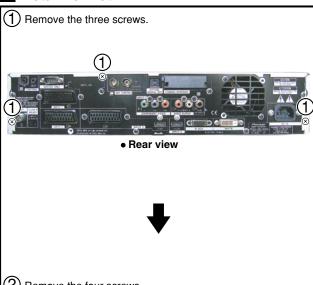
1 Metal Bonnet

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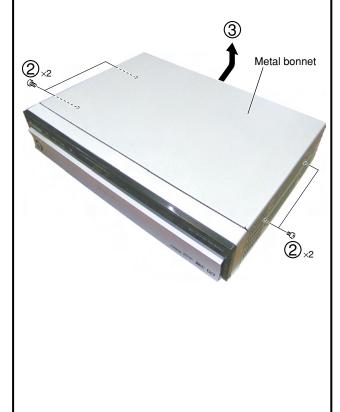
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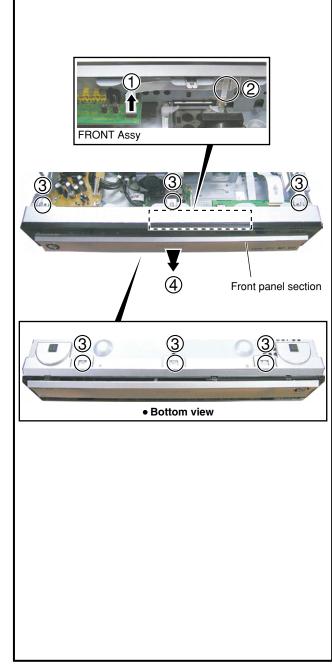


- (2) Remove the four screws.
- $\widehat{\mathbf{3}}$ Remove the metal bonnet while pulling it backward.



2 Front Panel Section

- 1 Disconnect the flexible cable.
- (2) Remove the flexible cable from the flat clamp.
- 3 Unhook the six hooks.
- 4 Remove the front panel section.



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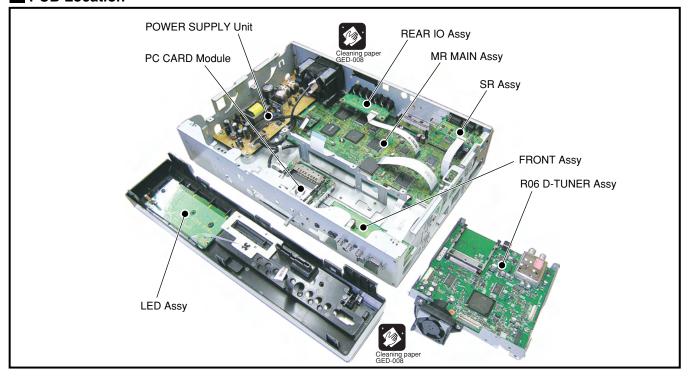
3 R06 D-TUNER Assy

Note: R06 D-TUNER Assy can remove even if does not remove the front panel section.

② Disconnect the two connectors.
③ Disconnect the two flexible cables.
④ Remove the two screws.
⑤ Remove the R06 D-TUNER Assy.

PCB Location

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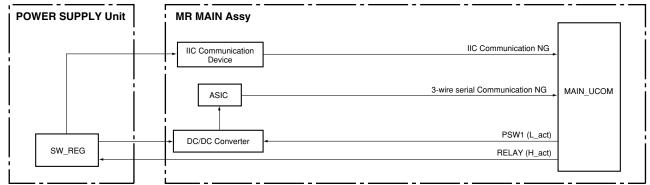
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7.2 EXPLANATION 7.2.1 PROCESSING IN ABNORMALITY

Power supply and DC-DC converter

Circuit diagram

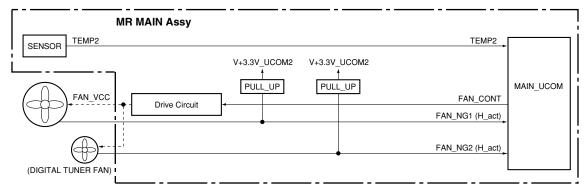


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Fan and temperature sensor

Circuit diagram

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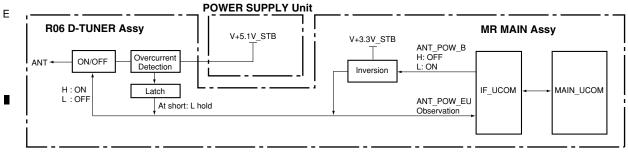


Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
FAN_NG 1	FAN	155	Shutdown with H
FAN_NG 2	FAN	104	Shutdown with H
TEMP2	Abnormally high temperature in the MR	76	Shutdown when the value exceeds the predetermined value

Power supply for DTB Antenna

Circuit diagram



Specifications for port monitoring

Port Name	SD/PD Indication	Assigned Pin	Active
ANT_POW_EU	DTB antenna short-circuit	IF_37	Warning with L

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■ LED-lighting patterns

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* In this case, the red and green areas on the screen of the panel flash alternately.

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No. of LEDs on t	times of	No. of times of LED flashing Ds on the panel LEDs on the IV	LEDs on the panel LEDs on the MR	Category	Site detected as	Possible defective points (representative examples)	OSD when detected
RED	Blue	RED	Blue	*	derective		(warning message)
	Blue 1	Red			Panel drive IC	*2	None
	Blue 2	Red			Module section IIC	Z*	None
	Blue 3	Red					None
	Blue 4	Red			Panel having abnormally high temperature	*5	Powering off. Internal temperatures is too high. Chheck temperatures around PDP. (SD04) *6
	Blue 5	Red			Short-circuiting of the speakers	₹.	Internal protection circuit turns off. Is there a short in speaker cable? (SD05).
Red			Blue 6		Module microcomputer	Disconnection of the system cable Desconnection of the spring the panel (Refer to the service manual of the PDP-436PE or Defective model microcomputer or its peripheral circuits of the panel (Refer to the service manual of the PDP-436PE or Defective main microcomputer (IC5206) Palue in communication (TXD_MD, RXD_MD, REQ_MD) between the panel's module microcomputer and IC5206 (main microcomputer)	None
Red			Blue 7		3-wire serial connection of the main section	Defective IC5002 or its peripheral circuits Fallure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, BUSY_IF) between IC5002 and IC5207 (main microcomputer) Defective IC7001 or its peripheral circuits Fallure in communication (TXD_IC3, RXD_IC3, CLK_IC3, CE_IC3, REQ_IC3, BUSY_IC3) between IC7001 and IC5206 (main microcomputer)	None
Be d			Blue 8	S	IIC of the main section	Defective U4401 (FEI) or its peripheral circuits Defective UA401 (FEI) or its peripheral circuits Defective UA401 (MPX) or its peripheral circuits Defective (LA401 (MPX) or its peripheral circuits Defective (LA406 (ROB_SW) or its peripheral circuits Defective (LA906 (ROB_SW) or its peripheral circuits Defective (LOX00 (ROB_SW) or its peripheral circuits Defective (DX00 (ROB_SW) or its peripheral circuits) Defective (DX00 (ROB_SW) or its peripheral circuits)	None
Red			Blue 9		Main microcomputer	Defective IC5206 (main microcomputer) Defective flexible cable for communication between the MR MAIN BOARD Assy and the AV BOARD Assy Failure in communication (TXD_IF, RXD_IF, CLK_IF, CE_IF, REQ_IF, BUSY_IF) between IC5206 (main microcomputer) and IC5002	None
Red			Blue 10		Fan	Failure in the fan motor, or the fan stopped because of dust attached to the fan	None
Red			Blue 11		MR or unit having abnormally high temperature	The Media Receiver or the unit being used at high temperature	Powering off. Internal temperature is too high. Check temperature around media receiver. (SD11)
Red			Blue 12		Digital tuner	Defective DTV tuner *5	None
Red			Blue 13		ASIC power supply (DC-DC)	Defective U4201 (DD_CON) or short-circuiting elsewhere *6	None
Red 2		Red			Œ	\\ \tag{4}	None
Red 3		Bed.				Z*	None
Red 4		Red			SCN-5V Y-DRV	*2 *1: Shutdown (SD) is a protective operation controlled by the	None None
Red 6		Red			Y-DCDC		None
Red 7		Red		8			None
Red 8		Red				*2 the circuitry and can be reset after AC power is off for about 1 minute.	None
Red 9		Red			X-DCDC	*2 *2: Herer to the service manual of the PDF-430PE of PDF-506PE. *2 *3: Only for US model.	None None
Red 11		Red			X-SUS		None
Red 13		Red				 	None
Red 15		Red			UNKNOWN	*2	None

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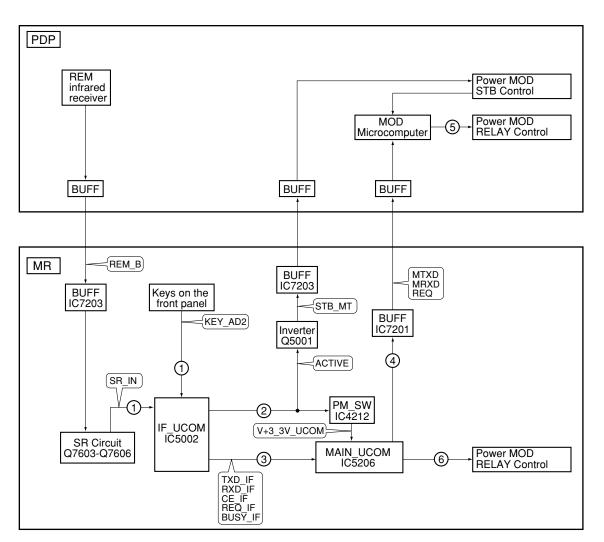
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Descriptions in a call-out are signal names for reference.
For wiring numbers on the PDP side, refer to the service manual for the PDP.

- ①: The signal from the remote control unit (or a key signal) is input to the IF microcomputer.
- ②: The IF microcomputer supplies the power to the main microcomputer and MOD microcomputer.
- ③: The IF microcomputer transmits operation data from the remote control unit (or keys) to the main microcomputer.
- ④: The main microcomputer issues a startup command to the MOD microcomputer.
- ⑤: The MOD microcomputer controls the relay of the PDP Power MOD and starts the power-on sequence of the PDP.
- 6 : The main microcomputer controls the relay of the MR Power MOD and starts the power-on sequence of the MR.

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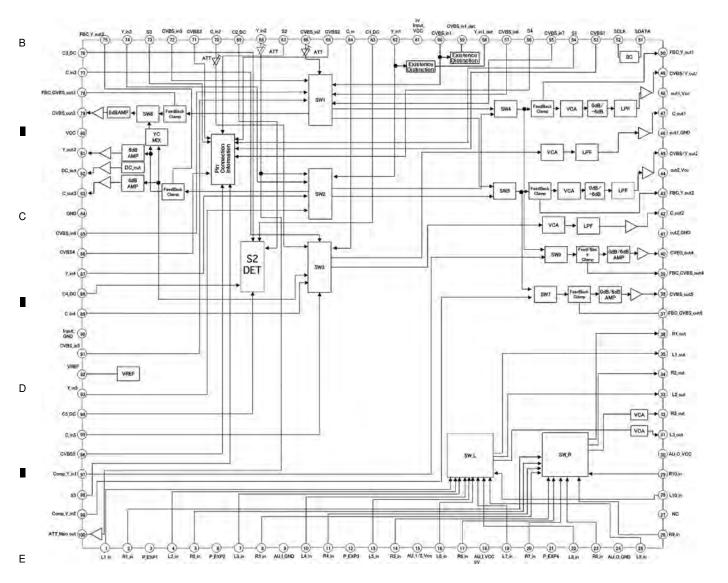
A • The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

List of IC

R2S11002AFT, R2S11001FT, K4S641632H-TC75, S29AL016D70TFI010, UPD64015AGM-UEU, TVP5150AM1PBS, K4S161622H-TC60, AD9985KSTZ-110, SII9021CTU, K4S643232H-TC60, S29JL032H70TFI21, SII170BCLG64, AXF1149, AXY1117

■ R2S11002AFT (MR MAIN ASSY: IC4804)

- AV SW
- Block Diagram



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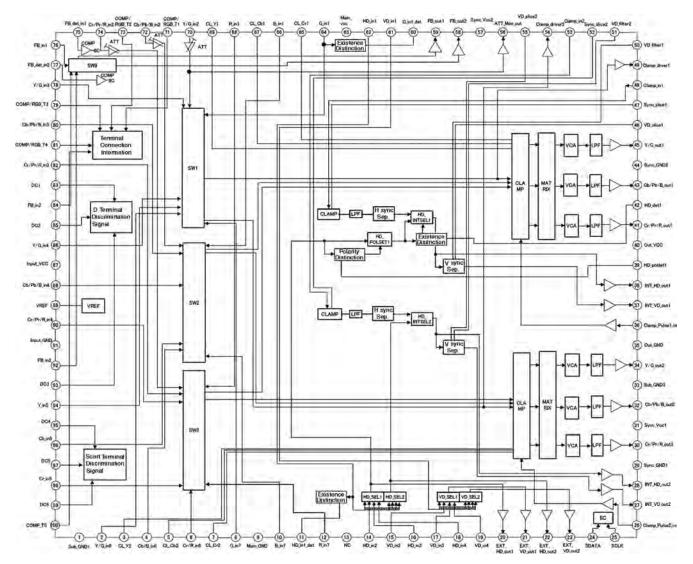
PDP-R06XE

■ R2S11001FT (MR MAIN ASSY: IC4806)

• Component SW IC

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Block Diagram



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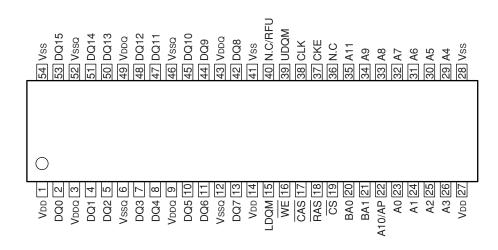
PDP-R06XE

■ K4S641632H-TC75 (MR MAIN ASSY : IC5403)

• 64M SDRAM

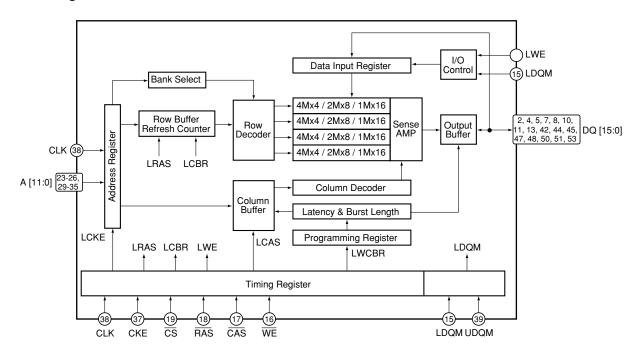
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Pin Arrangement (Top view)



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Block Diagram



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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function	
1	VDD	_	Power supply	28	Vss	1	Ground	
2	DQ0	I/O	Data input/output	29	A4	_	Address input	
3	VDDQ	-	Power supply for data output	30	A5	_	Address input	
4	DQ1	I/O	Data input/output	31	A6	_	Address input	
5	DQ2	I/O	Data input/output	32	A7	- 1	Address input	
6	Vssq	-	Ground for data output	33	A8	- 1	Address input	
7	DQ3	I/O	Data input/output	34	A9	- 1	Address input	
8	DQ4	I/O	Data input/output	35	A11	_	Address input	
9	VDDQ	_	Power supply for data output	36	N.C	1	No connection	
10	DQ5	I/O	Data input/output	37	CKE	- 1	Clock enable input	
11	DQ6	I/O	Data input/output	38	CLK	- 1	System clock input	
12	Vssq	_	Ground for data output	39	UDQM	- 1	Data input/output mask	
13	DQ7	I/O	Data input/output	40	N.C/RFU	1	No connection (Reserved for future use)	
14	VDD	-	Power supply	41	Vss	-	Ground	
15	LDQM	1	Data input/output mask	42	DQ8	I/O	Data input/output	
16	WE	1	Write enable input	43	VDDQ	-	Power supply for data output	
17	CAS	1	Column address strobe input	44	DQ9	I/O	Data input/output	
18	RAS	- 1	Row address strobe input	45	DQ10	I/O	Data input/output	
19	CS	1	Chip select input	46	Vssq	-	Ground for data output	
20	BA0	1	Bank select address input	47	DQ11	I/O	Data input/output	
21	BA1	- 1	Bank select address input	48	DQ12	I/O	Data input/output	
22	A10/AP	1	Address input	49	VDDQ	-	Power supply for data output	
23	A0	- 1	Address input	50	DQ13	I/O	Data input/output	
24	A1	1	Address input	51	DQ14	I/O	Data input/output	
25	A2	1	Address input	52	Vssq	_	Ground for data output	
26	A3	1	Address input	53	DQ15	I/O	Data input/output	
27	VDD	_	Power supply	54	Vss	_	Ground	

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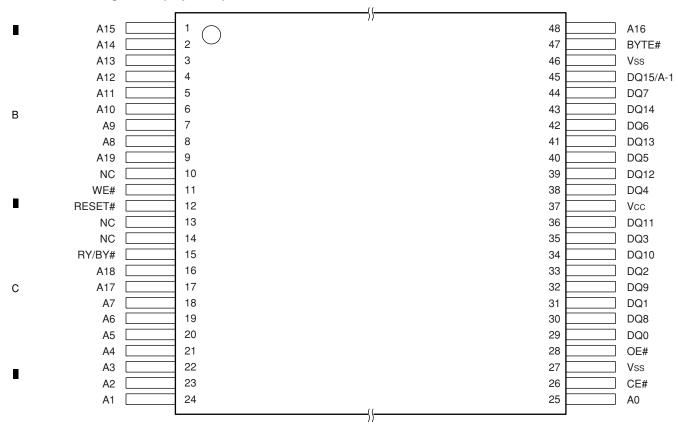
■ S29AL016D70TFI010 (MR MAIN ASSY : IC5404)

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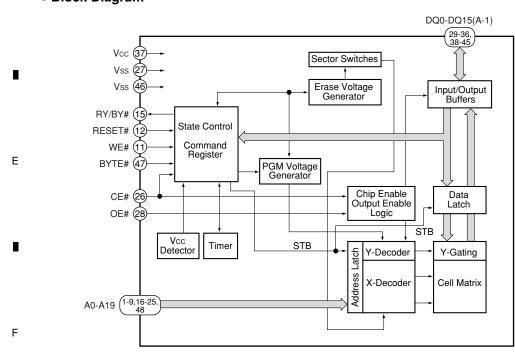
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• 16M Flash Memory

Pin Arrangement (Top view)



Block Diagram



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Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function	
1	A15	ı	Address input	25	A0	I	Address input	
2	A14	ı	Address input	26	CE#	I	Chip enable	
3	A13	ı	Address input	27	Vss	-	Device ground	
4	A12	ı	Address input	28	OE#	I	Output enable	
5	A11	ı	Address input	29	DQ0	I/O	Data input/output	
6	A10	ı	Address input	30	DQ8	I/O	Data input/output	
7	A9	I	Address input	31	DQ1	I/O	Data input/output	
8	A8	ı	Address input	32	DQ9	I/O	Data input/output	
9	A19	ı	Address input	33	DQ2	I/O	Data input/output	
10	NC	_	No connection	34	DQ10	I/O	Data input/output	
11	WE#	ı	Write enable	35	DQ3	I/O	Data input/output	
12	RESET#	ı	Hardware reset	36	DQ11	I/O	Data input/output	
13	NC	_	No connection	37	Vcc	_	3V single power supply	
14	NC	_	No connection	38	DQ4	I/O	Data input/output	
15	RY/BY#	0	Ready/Busy output	39	DQ12	I/O	Data input/output	
16	A18	ı	Address input	40	DQ5	I/O	Data input/output	
17	A17	ı	Address input	41	DQ13	I/O	Data input/output	
18	A7	ı	Address input	42	DQ6	I/O	Data input/output	
19	A6	ı	Address input	43	DQ14	I/O	Data input/output	
20	A5	ı	Address input	44	DQ7	I/O	Data input/output	
21	A4	1	Address input	45	DQ15/A-1	I/O	DQ15: Data input/output, word mode A-1: LSB address input, byte mode	
22	A3	I	Address input	46	Vss	_	Device ground	
23	A2	ı	Address input	47	BYTE#	1	Selects 8-bit or 16-bit mode	
24	A1	1	Address input	48	A16	I	Address input	

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■ UPD64015AGM-UEU (MR MAIN ASSY : IC6003)

Video Decoder (for main screen)

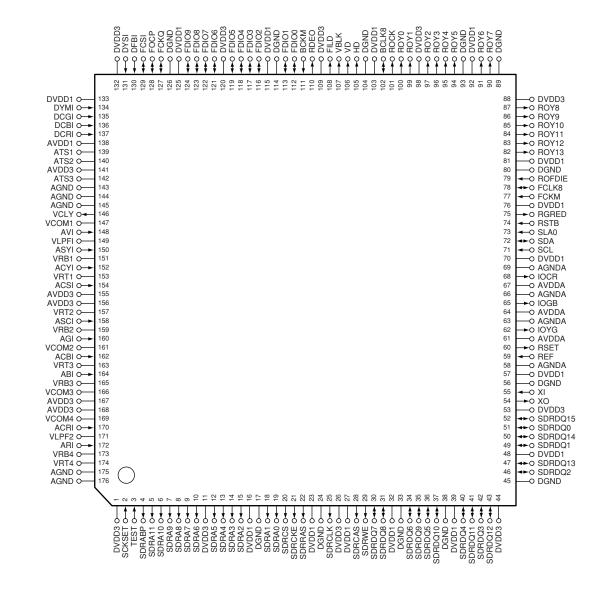
Pin Arrangement (Top view)

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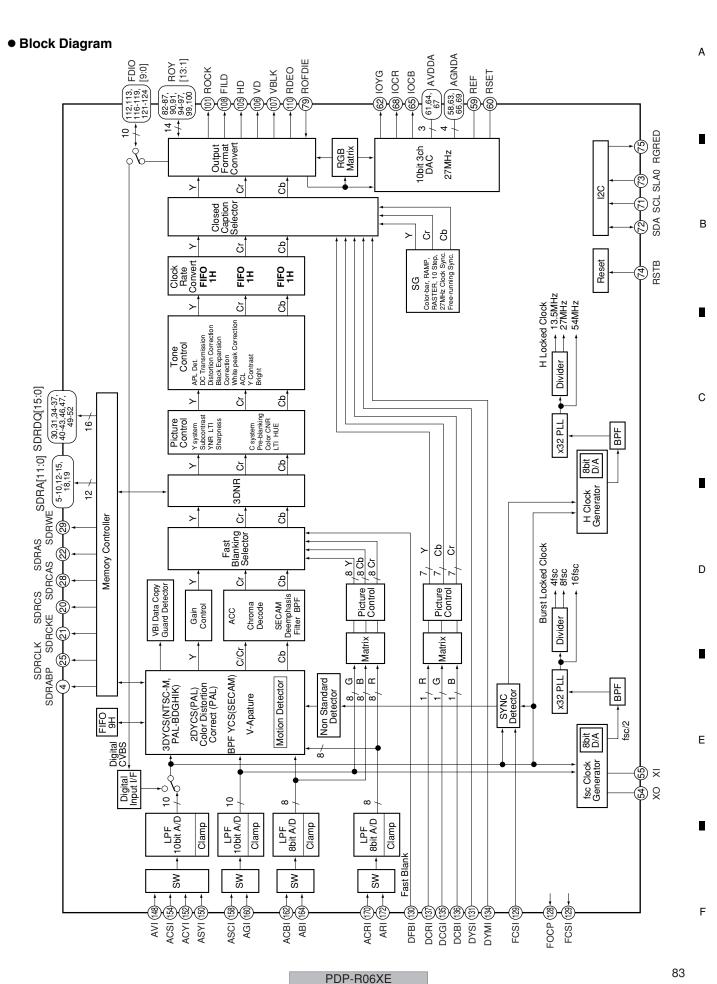
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• Pin Function

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No.	Pin Name	I/O	Pin Function
1	DVDD3	_	Digital power supply (3.3V)
2	SCKSET	ı	Test mode selection (L: Normal, H: Test mode)
3	TEST	ı	Test setting (L: Normal, H: Test mode)
4	SDRABP	0	All bank precharge output for external memory (Active High)
5	SDRA11	0	Address output for external memory
6	SDRA10	0	Address output for external memory
7	SDRA9	0	Address output for external memory
8	SDRA8	0	Address output for external memory
9	SDRA7	0	Address output for external memory
10	SDRA6	0	Address output for external memory
11	DVDD3	-	Digital power supply (3.3V)
12	SDRA5	0	Address output for external memory
13	SDRA4	0	Address output for external memory
14	SDRA3	0	Address output for external memory
15	SDRA2	0	Address output for external memory
16	DVDD1	_	Digital power supply (1.5V)
17	DGND	_	Digital ground
18	SDRA1	0	Address output for external memory
19	SDRA0	0	Address output for external memory
20	SDRCS	0	Chip select output for external memory (Active Low)
21	SDRCKE	0	Clock enable output for external memory (Active Low)
22	SDRRAS	0	
23	DVDD1	_	Row address strobe output for external memory (Active Low)
H-	DGND		Digital power supply (1.5V)
24		_	Digital ground Clask output for outpred moment
25 26	SDRCLK DVDD3	0	Clock output for external memory
27	DVDD3		Digital power supply (3.3V) Digital power supply (1.5V)
28	SDRCAS	0	Column address strobe output for external memory (Active Low)
29	SDRWE	0	Write enable output for external memory (Active Low)
30	SDRWL SDRDQ7	1/0	Data input/output for external memory
31	SDRDQ7 SDRDQ8	1/0	Data input/output for external memory
32	DVDD1	-	Digital power supply (1.5V)
33	DGND	_	Digital ground
34	SDRDQ6	1/0	
35	SDRDQ6	1/0	Data input/output for external memory Data input/output for external memory
36	SDRDQ9	1/0	Data input/output for external memory
37	SDRDQ3	1/0	Data input/output for external memory
38	DGND		Digital ground
39	DVDD1	_	Digital power supply (1.5V)
40	SDRDQ4	I/O	Data input/output for external memory
41	SDRDQ4 SDRDQ11	1/0	Data input/output for external memory Data input/output for external memory
42	SDRDQ11 SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory
43	SDRDQ3	1/0	Data input/output for external memory Data input/output for external memory
44	DVDD3		Digital power supply (3.3V)
45	DGND	_	Digital ground
46	SDRDQ2	I/O	Data input/output for external memory
46	SDRDQ2 SDRDQ13	1/0	Data input/output for external memory Data input/output for external memory
48	DVDD1	1/0	Digital power supply (1.5V)
49	SDRDQ1	I/O	Data input/output for external memory
50	SDRDQ1	1/0	Data input/output for external memory
30	3DNDQ14	1/0	Data input/output for external memory

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No.			
_	Pin Name	I/O	Pin Function
	SDRDQ0	I/O	Data input/output for external memory
	SDRDQ15	I/O	Data input/output for external memory
	DVDD3	-	Digital power supply (3.3V)
	XO	0	Reference clock output Connect a 24.576MHz crystal.
	XI	I	Reference clock input Connect a 24.576MHz crystal.
	DGND	_	Digital ground
	DVDD1	_	Digital power supply (1.5V)
	AGNDA	_	Analog ground for DAC
	REF	I	External reference input
60	RSET	0	Connect a 620 ohm resistor for external adjustment to AGND
	AVDDA	-	Analog power supply for DAC (3.3V)
62	IOYG	0	Color-difference component Y / RGB component G output signal
63	AGNDA	-	Analog ground for DAC
64	AVDDA	-	Analog power supply for DAC (3.3V)
65	IOGB	0	Color-difference component Cb / RGB component B output signal
66	AGNDA	-	Analog ground for DAC
67	AVDDA	_	Analog power supply for DAC (3.3V)
68	IOCR	0	Color-difference component Cr / RGB component R output signal
69	AGNDA	_	Analog ground for DAC
70	DVDD1	_	Digital power supply (1.5V)
71	SCL	ı	I ² C bus clock input Connect to SCL line of the system.
72	SDA	I/O	I ² C bus data input/output Connect to SDA line of the system.
73	SLA0	ı	I ² C bus slave address select input (L: B8h/B9h, H: BAh/BBh)
74	RSTB	ı	System reset input (Active Low)
75	RGRED	0	I ² C register read flag output (Active Low)
76	DVDD1	-	Digital power supply (1.5V)
77	FCKM	1	FCLK8 test mode selection (L: Normal, H: Test mode)
78	FCLK8	I/O	Line-lock clock monitor input/output
79	ROFDIE	1	Output enable of the video input/output terminal L: Output terminal Hi-Z, H: Output enable
80	DGND	_	Digital ground
81	DVDD1	_	Digital power supply (1.5V)
82	ROY13	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
83	ROY12	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
84	ROY11	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
85	ROY10	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
86	ROY9	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
87	ROY8	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
88	DVDD3	-	Digital power supply (3.3V)
89	DGND	-	Digital ground
90	ROY7	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
91	ROY6	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
92	DVDD1	_	Digital power supply (1.5V)
93	DGND	-	Digital ground
94	ROY5	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
95	ROY4	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
96	ROY3	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
97	ROY2	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
98	DVDD3	_	Digital power supply (3.3V)
99	ROY1	0	Digital ITU-R BT. 656/component output Digital RGB component (8 bit) output
100	ROY0	0	Digital ITU-R BT. 656/component output

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No.	Pin Name	I/O	Pin Function
101	ROCK	0	Clock for digital ITU-R BT. 656/component output
102	BCLK8	I/O	Line-lock clock monitor input/output
103	DVDD1	_	Digital power supply (1.5V)
104	DGND	_	Digital ground
105	HD	0	Horizontal sync. signal output
106	VD	0	Vertical sync. signal output
107	VBLK	0	V blanking output
108	FILD	0	Field output
109	DVDD3	_	Digital power supply (3.3V)
110	RDEO	0	Effective pixel area output
111	BCKM	I	Test mode selection of BCLK8 pin (L: Normal, H: Test mode)
112	FDIO0	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
113	FDIO1	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
\vdash	DGND	_	Digital ground
—	DVDD1	<u> </u>	Digital power supply (1.5V)
	FDIO2	I/O	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO3	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
—	FDIO4	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO5	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	DVDD3	-	Digital power supply (3.3V)
<u> </u>	FDIO6	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
-	FDIO7	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
-	FDIO8	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
	FDIO9	1/0	Digital 8/10 bit Cb, Cr output / Input at UPD64031A digital connection Open at no use.
—	DVDD1	-	Digital power supply (1.5V)
—	DGND	_	Digital ground
127	FCKQ	I/O	Sampling clock output for digital connection
128	FOCP	1/0	Clamp pulse output for digital connection / Timing output for digital RGB input (VD)
129	FCSI	1/0	Sync sep. signal input / Timing output for RGB input (HD)
130	DFBI	1,70	Fast blanking signal input for analog RGB input
131	DYSI	† <u>;</u>	YS signal input for digital RGB input
—	DVDD3	+ -	Digital power supply (3.3V)
-	DVDD1	 	Digital power supply (1.5V)
_	DYMI	1	YM signal input for digital RGB input
135	DCGI	+ †	Digital RGB/G signal input
136	DCBI	+ -	Digital RGB/B signal input
	DCRI	+ -	Digital RGB/R signal input
_	AVDD1	+ -	Analog power supply (1.5V)
	ATS1	 	Analog test input Normally, connect to GND.
140	ATS2	 	Analog test input Normally, connect to GND.
141	AVDD3	+-	Analog power supply (3.3V)
—	ATS3	 	Analog test input Normally, connect to GND.
	AGND	+-	Analog ground
	AGND	+	Analog ground
	AGND	+-	Analog ground
146	VCLY	0	ADC1 clamp voltage
147	VCOM1	 -	ADC1 common-mode reference voltage
—	AVI	1	ADC1 composite/Y signal input
149	VLPFI	+ -	Analog test output Connect to GND via 0.1µF capacitor.
	ASYI	1	ADC1 composite/Y signal input
_ 130	/.011	1 '	Price i compositor i signati input

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Na	Pin Name	1/0	Pin Function
No.		I/O	1 2 2
151	VRB1	 -	ADC1 bottom reference voltage
152	ACYI		ADC1 composite/Y signal input
153	VRT1		ADC1 top reference voltage
154	ACSI	ı	ADC1 composite/Y signal input
155	AVDD3		Analog power supply for ADC (3.3V)
156	AVDD3	_	Analog power supply for ADC (3.3V)
157	VRT2	_	ADC2 top reference voltage
158	ASCI	1	ADC2 separate C signal input
159	VRB2	_	ADC2 bottom reference voltage
160	AGI	1	ADC2 RGB component G signal input
161	VCOM2	_	ADC2 common-mode reference voltage
162	ACBI	I	ADC3 color-difference component Cb signal input
163	VRT3	_	ADC3 top reference voltage
164	ABI	1	ADC3 RGB component B signal input
165	VRB3	_	ADC3 bottom reference voltage
166	VCOM3	_	ADC3 common-mode reference voltage
167	AVDD3	_	Analog power supply for ADC (3.3V)
168	AVDD3	_	Analog power supply for ADC (3.3V)
169	VCOM4	-	ADC4 common-mode reference voltage
170	ACRI	1	ADC4 color-difference component Cr signal input
171	VLPF2	_	Analog test output
172	ARI	- 1	ADC3 RGB component R signal input
173	VRB4	_	ADC4 bottom reference voltage
174	VRT4	_	ADC4 top reference voltage
175	AGND	_	Analog ground
176	AGND	-	Analog ground

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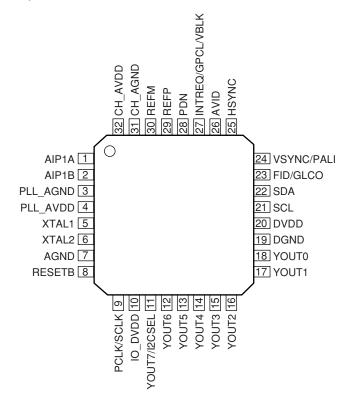
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■ TVP5150AM1PBS (MR MAIN ASSY : IC6001) (PDP-R06XE only)

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• Video Decoder (for Subscreen)

Pin Arrangement (Top view)



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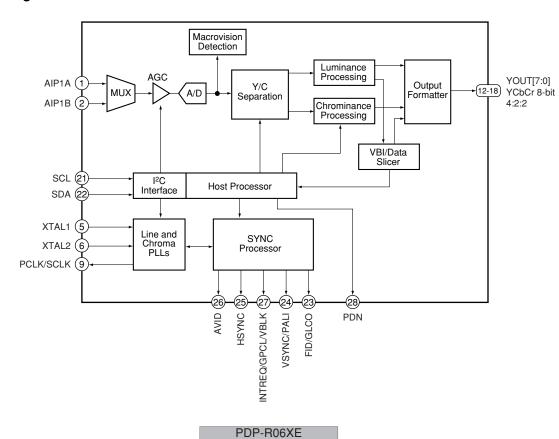
Block Diagram

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• Pin Function

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No.	Pin Name	I/O	Pin Function
1	AIP1A	ı	Analog input
2	AIP1B	ı	Analog input
3	PLL_AGND	ı	PLL ground Connect to analog ground.
4	PLL_AVDD	I	PLL power supply (1.8V)
5	XTAL1	I	External clock reference
6	XTAL2	0	External clock reference
7	AGND	- 1	Substrate Connect to analog ground.
8	RESETB	I	Active-low reset
9	PCLK/SCLK	0	System clock at either 1x or 2x the frequency of the pixel clock
10	IO_DVDD	I	Digital power supply (3.3V)
11	YOUT(7)/I2CSEL	I/O	I2CSEL: Determines address for I ² C (sampled during reset) YOUT7: MSB of output decoded ITU-R BT.656 output/YCbCr 4:2:2 output
12	YOUT6	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
13	YOUT5	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
14	YOUT4	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
15	YOUT3	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
16	YOUT2	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
17	YOUT1	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
18	YOUT0	I/O	Output decoded ITU-R BT.656 output/YCbCr 4:2:2 output with discrete sync
19	DGND	ı	Digital ground
20	DVDD	ı	Digital power supply (1.8V)
21	SCL	I/O	I ² C serial clock (open drain)
22	SDA	I/O	I ² C serial data (open drain)
23	FID/GLCO	0	FID: Odd/even field indicator or vertical lock indicator GLCO: This serial output carries color PLL information
24	VSYNC/PALI	0	VSYNC: Vertical synchronization signal PALI: PAL line indicator or horizontal lock indicator
25	HSYNC	0	Horizontal synchronization signal
26	AVID	0	Active video indicator
27	INTREQ/GPCL /VBLK	I/O	INTREQ: Interrupt request output GPCL: General-purpose control logic
28	PDN	ı	Power-down terminal (active low)
29	REFP	I	A/D reference supply
30	REFM	I	A/D reference ground
31	CH_AGND	I	Analog ground
32	CH_AVDD	I	Analog power supply (1.8V)

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■ K4S161622H-TC60 (MR MAIN ASSY : IC6002)

• 16M SDRAM (for Main VDEC)

• Pin Arrangement (Top view)

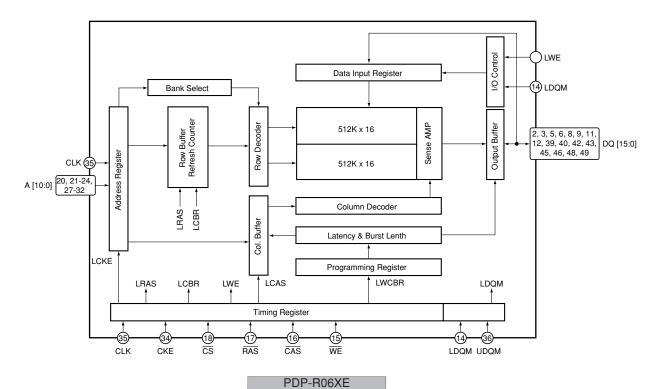
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			1
V _{DD} □	1	50	□ Vss
DQ0 □	2	49	□ DQ15
DQ1 🗆	3	48	□ DQ14
Vssq⊏	4	47	□ Vssq
DQ2□	5	46	□ DQ13
DQ3 □	6	45	□ DQ12
V _{DDQ} □	7	44	⊐ Vddq
DQ4 □	8	43	□ DQ11
DQ5 □	9	42	□ DQ10
Vssq⊏	10	41	⊐ Vssq
DQ6 ⊏	11	40	⊐ DQ9
DQ7□	12	39	⊐ DQ8
	13	38	⊐ Vddq
LDQM □	14	37	□ N.C/RFU
WE	15	36	□ UDQM
CAS□	16	35	⊐ CLK
RAS □	17	34	□ CKE
CS□	18	33	□ N.C
BA□	19	32	⊐ A 9
A10/AP	20	31	⊐ A8
A0 □	21	30	⊐ A 7
A1 🗆	22	29	⊐ A6
A2 □	23	28	⊐ A5
A3 □	24	27	⊐ A 4
V _{DD} □	25	26	⊐ Vss
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Block Diagram



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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	26	Vss	_	Ground
2	DQ0	I/O	Data input / output	27	A4	- 1	Address input
3	DQ1	I/O	Data input / output	28	A5	ı	Address input
4	Vssq	_	Ground for data output	29	A6	ı	Address input
5	DQ2	I/O	Data input / output	30	A7	ı	Address input
6	DQ3	I/O	Data input / output	31	A8	- 1	Address input
7	VDDQ	_	Power supply for data output	32	A9	ı	Address input
8	DQ4	I/O	Data input / output	33	N.C	_	No connection
9	DQ5	I/O	Data input / output	34	CKE	I	Clock enable input
10	Vssq	_	Ground for data output	35	CLK	ı	System clock input
11	DQ6	I/O	Data input / output	36	UDQM	ı	Data input / output mask input
12	DQ7	I/O	Data input / output	37	N.C/RFU	_	No connection / Reserved for future use
13	VDDQ	_	Power supply for data output	38	VDDQ	_	Power supply for data output
14	LDQM	ı	Data input / output mask input	39	DQ8	I/O	Data input / output
15	WE	ı	Write enable input	40	DQ9	I/O	Data input / output
16	CAS	ı	Column address strobe input	41	Vssq	_	Ground for data output
17	RAS	ı	Row address strobe input	42	DQ10	I/O	Data input / output
18	cs	ı	Chip select input	43	DQ11	I/O	Data input / output
19	ВА	ı	Bank select address input	44	VDDQ	_	Power supply for data output
20	A10/AP	ı	Address input	45	DQ12	I/O	Data input / output
21	A0	ı	Address input	46	DQ13	I/O	Data input / output
22	A1	I	Address input	47	Vssq	_	Ground for data output
23	A2	1	Address input	48	DQ14	I/O	Data input / output
24	A3	I	Address input	49	DQ15	I/O	Data input / output
25	VDD	_	Power supply	50	Vss	_	Ground

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■ AD9985KSTZ-110 (MR MAIN ASSY : IC6201)

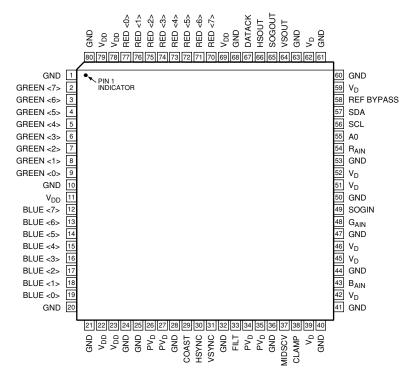
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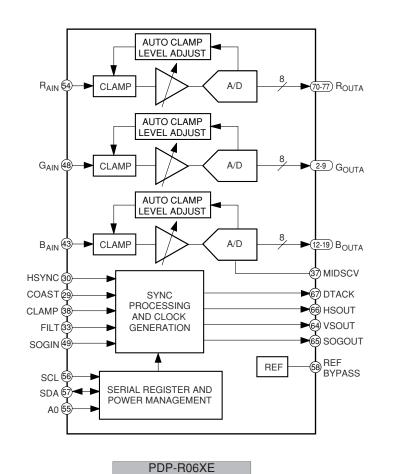
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Pin Arrangement (Top view)



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Block Diagram



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Pin Function

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Pin Type	No.	PIN Name	Pin Function
	54	Rain	Analog input for converter R
	48	GAIN	Analog input for converter G
	43	BAIN	Analog input for converter B
lana saka	30	HSYNC	Horizontal sync input
Inputs	31	VSYNC	Vertical sync input
	49	SOGIN	Input for sync-on green
	38	CLAMP	Clamp input (External CLAMP signal)
	29	COAST	PLL COAST signal input
	70-77	Red [7:0]	Outputs of converter red, bit 7 is the MSB
	2-9	Green [7 : 0]	Outputs of converter green, bit 7 is the BSB
	12-19	Blue [7:0]	Outputs of converter blue, bit 7 is the BSB
Outputs	67	DATACK	Data output clock
	66	HSOUT	HSYNC output (Phase-aligned with DATACK)
	64	VSOUT	VSYNC output (Phase-aligned with DATACK)
	65	SOGOUT	Sync-on-green slicer output
	58	REF BYPASS	Internal reference bypass
Reference	37	MIDSCV	Internal midscale voltage bypass
	33	FILT	Connection for external filter components for internal PLL
	39, 42, 45, 46, 51, 52, 59, 62	VD	Analog power supply
	11, 22, 23, 69, 78, 79	VDD	Output power supply
Power Supply	26, 27, 34, 35	PVD	PLL power supply
	1, 10, 20, 21, 24, 25, 28, 32, 36, 40, 41, 44, 47, 50, 53, 60, 61, 63 68, 80	GND	Ground
	57	SDA	Serial port data I/O
Control	56	SCL	Serial port data clock (100 kHz maximum)
	55	A0	Serial port address input 1

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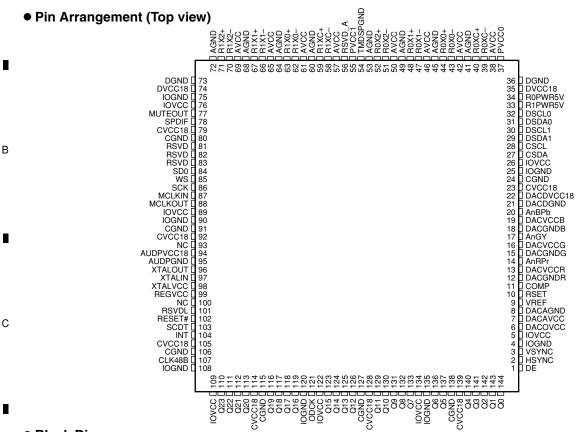
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■ SII9021CTU (MR MAIN ASSY : IC6404)

• HDMI Rx

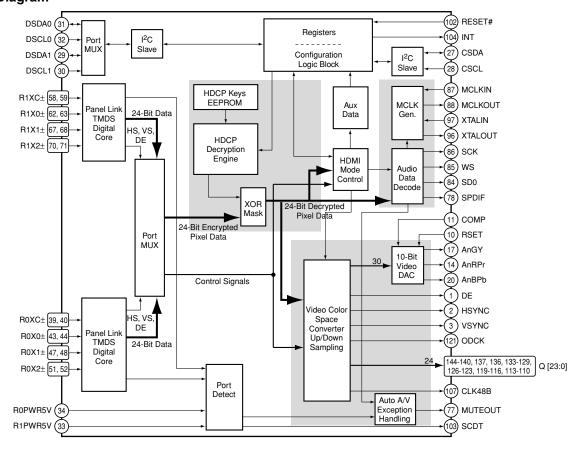
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Pin Function

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No.	Pin Name	I/O	Pin Function
1	DE	0	Data enable
2	HSYNC	0	Horizontal sync output control signal
3	VSYNC	0	Vertical sync output control signal
4	IOGND	_	Input / output pin ground
5	IOVCC	_	Input / output pin VCC
6	DACOVCC	_	DAC output VCC
7	DACAVCC	_	DAC analog VCC
 8	DACAGND		DAC analog ground
9	VREF		
10	RSET	$+$ $\overline{-}$	Full scale adjust resistor
11	COMP	$+$ $\overline{-}$	Compensation
12	DACGNDR		DAC red ground
			-
13	DACVCCR	-	DAC red VDD
14	AnRPr	0	Analog video red, Pr output
15	DACGNDG		DAC green ground
16	DACVCCG	-	DAC green VDD
17	AnGY	0	Analog video green, Y output
18	DACGNDB		DAC blue ground
19	DACVCCB		DAC blue VDD
20	AnBPb	0	Analog video blue, Pb output
21	DACDGND		DAC digital ground
22	DACDVCC18		DAC digital VCC
23	CVCC18		Digital logic VCC
24	CGND		Digital logic ground
25	IOGND		Input / output pin ground
26	IOVCC		Input / output pin VCC
27	CSDA	I/O	Configuration I ² C data
28	CSCL	I	Configuration I ² C clock
29	DSDA1	I/O	DDC I ² C data for port 1
30	DSCL1	I	DDC I ² C clock for port 1
31	DSDA0	I/O	DDC I ² C data for port 0
32	DSCL0	I	DDC I ² C clock for port 0
33	R1PWR5V	I	Port 1 transmitter detect
34	R0PWR5V	I	Port 0 transmitter detect
35	DVCC18	_	ACR PLL digital VCC
36	DGND	_	ACR PLL ground
37	PVCC0		TMDS port 0 PLL VCC
38	AVCC		TMDS analog VCC
39	R0XC-	I	TMDS input clock
40	R0XC+	I	TMDS input clock
41	AGND	_	TMDS analog ground
42	AVCC		TMDS analog VCC
43	R0X0-	I	TMDS input data
44	R0X0+	I	TMDS input data
45	AGND	_	TMDS analog ground
46	AVCC	_	TMDS analog VCC
47	R0X1-	I	TMDS input data
48	R0X1+	ı	TMDS input data
49	AGND	_	TMDS analog ground
50	AVCC	_	TMDS analog VCC

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Α	No.	Pin Name	I/O	Pin Function
	51	R0X2-	1	TMDS input data
	52	R0X2+	T i	TMDS input data
	53	AGND	_	TMDS analog ground
I	54	TMDSPGND	<u> </u>	TMDS PLL ground
	55	PVCC1	<u> </u>	TMDS port 1 PLL VCC
	56	RSVD_A	_	Reserved pin
	57	AVCC	_	TMDS analog VCC
_	58	R1XC-		TMDS input clock
	59	R1XC+		TMDS input clock
В	60	AGND	+ -	TMDS analog ground
	61	AVCC	_	TMDS analog VCC
	62	R1X0-		TMDS input data
	63	R1X0+	 	TMDS input data
_	64	AGND	 	TMDS analog ground
	65	AVCC	-	TMDS analog VCC
	66	R1X1-		TMDS input data
	67	R1X1+	T i	TMDS input data
	68	AGND	+ -	TMDS analog ground
ŀ	69	AVCC	_	TMDS analog VCC
С	70	R1X2-	 	TMDS input data
	71	R1X2+	<u> </u>	TMDS input data
	72	AGND	 	TMDS analog ground
	73	DGND	_	ACR PLL ground
	74	DVCC18	_	ACR PLL digital VCC
	75	IOGND	_	Input / output pin ground
	76	IOVCC	_	Input / output pin VCC
	77	MUTEOUT	0	Mute audio output
	78	SPDIF	0	S/PDIF audio output
	79	CVCC18		Digital logic VCC
D	80	CGND	_	Digital logic ground
	81	RSVD	0	_
	82	RSVD	0	_
	83	RSVD	0	_
	84	SD0	0	I ² S serial data output
	85	WS	0	I ² S word select output
	86	SCK	0	I ² S serial clock output
	87	MCLKIN	1	Audio master clock input reference
	88	MCLKOUT	0	Audio master clock output
	89	IOVCC		Input / output pin VCC
Е	90	IOGND	_	Input / output pin ground
	91	CGND	_	Digital logic ground
	92	CVCC18	_	Digital logic VCC
	93	NC	_	No connection
	94	AUDPVCC18	_	ACR PLL VCC
	95	AUDPGND		ACR PLL ground
	96	XTALOUT	0	Crystal clock output
	97	XTALIN	1	Crystal clock output Crystal clock input
	98	XTALVCC		ACR PLL crystal input VCC
	99	REGVCC		ACR PLL crystal input voc
F	100	NC	+-	No connection
L	100	1		110 OSTITIONIOTI

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No.	Pin Name	I/O	Pin Function	
101	RSVDL	1	Reserved, must be tied LOW	
102	RESET#	i	Reset pin, active LOW	
103	SCDT	0	Indicates active video at HDMI input port	
104	INT	0	Interrupt output	
105	CVCC18	_	Digital logic VCC	
106	CGND		Digital logic ground	
107	CLK48B	I/O	Data bus latch enable	
108	IOGND		Input / output pin ground	
109	IOVCC	_	Input / output pin VCC	
110	Q23	0	24-bit output pixel data bus	
111	Q22	0	24-bit output pixel data bus	
112	Q21	0	24-bit output pixel data bus	
113	Q20	0	24-bit output pixel data bus	
114	CVCC18	_	Digital logic VCC	
115	CGND	_	Digital logic ground	
116	Q19	0	24-bit output pixel data bus	
117	Q18	0	24-bit output pixel data bus	
118	Q17	0	24-bit output pixel data bus	
119	Q16	0	24-bit output pixel data bus	
120	IOGND	_	Input / output pin ground	
121	ODCK	0	Output data clock	
122	IOVCC	_	Input / output pin VCC	
123	Q15	0	24-bit output pixel data bus	
124	Q14	0	24-bit output pixel data bus	
125	Q13	0	24-bit output pixel data bus	
126	Q12	0	24-bit output pixel data bus	
127	CGND	_	Digital logic ground	
128	CVCC18	_	Digital logic VCC	
129	Q11	0	24-bit output pixel data bus	
130	Q10	0	24-bit output pixel data bus	
131	Q9	0	24-bit output pixel data bus	
132	Q8	0	24-bit output pixel data bus	
133	Q7	0	24-bit output pixel data bus	
134	IOVCC	_	Input / output pin VCC	
135	IOGND	_	Input / output pin ground	
136	Q6	0	24-bit output pixel data bus	
137	Q5	0	24-bit output pixel data bus	
138	CGND	_	Digital logic ground	
139	CVCC18	_	Digital logic VCC	
140	Q4	0	24-bit output pixel data bus	
141	Q3	0	24-bit output pixel data bus	
142	Q2	0	24-bit output pixel data bus	
143	Q1	0	24-bit output pixel data bus	
144	Q0	0	24-bit output pixel data bus	

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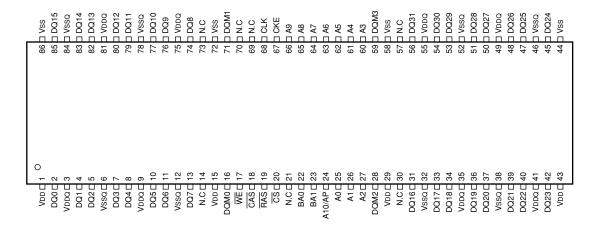
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PDP-R06XE 7

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■ K4S643232H-TC60 (MR MAIN ASSY : IC6801, IC6802)

- 64M SDRAM (for Silvia)
- Pin Arrangement (Top view)

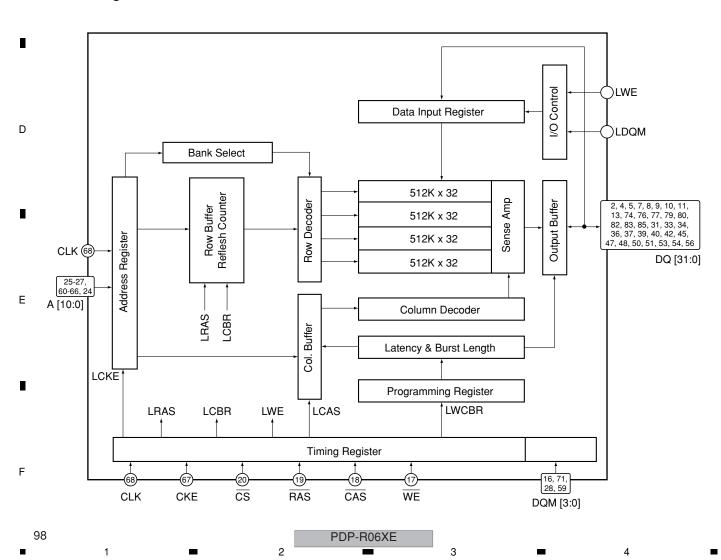


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Block Diagram

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• Pin Function

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No.	Pin Name	I/O	Pin Function	No.	Pin Name	I/O	Pin Function
1	VDD	_	Power supply	44	Vss	-	Ground
2	DQ0	I/O	Data input / output	45	DQ24	I/O	Data input / output
3	VDDQ	_	Power supply for data output	46	Vssq	_	Ground for data output
4	DQ1	I/O	Data input / output	47	DQ25	I/O	Data input / output
5	DQ2	I/O	Data input / output	48	DQ26	I/O	Data input / output
6	VssQ	_	Ground for data output	49	VDDQ	-	Power supply for data output
7	DQ3	I/O	Data input / output	50	DQ27	I/O	Data input / output
8	DQ4	I/O	Data input / output	51	DQ28	I/O	Data input / output
9	VDDQ	_	Power supply for data output	52	Vssq	-	Ground for data output
10	DQ5	I/O	Data input / output	53	DQ29	I/O	Data input / output
11	DQ6	I/O	Data input / output	54	DQ30	I/O	Data input / output
12	VssQ	_	Ground for data output	55	VDDQ	-	Power supply for data output
13	DQ7	I/O	Data input / output	56	DQ31	I/O	Data input / output
14	N.C	_	No connection	57	N.C	_	No connection
15	VDD	_	Power supply	58	Vss	_	Ground
16	DQM0	ı	Data input / output mask input	59	DQM3	ı	Data input / output mask input
17	WE	ı	Write enable input	60	A3	ı	Address input
18	CAS	ı	Column address strobe input	61	A4	ı	Address input
19	RAS	ı	Row address strobe input	62	A5	ı	Address input
20	cs	ı	Chip select input	63	A6	ı	Address input
21	N.C	_	No connection	64	A7	ı	Address input
22	BA0	ı	Bank select address input	65	A8	ı	Address input
23	BA1	ı	Bank select address input	66	A9	ı	Address input
24	A10/AP	ı	Address input	67	CKE	ı	Clock enable input
25	A0	ı	Address input	68	CLK	ı	System clock input
26	A1	1	Address input	69	N.C	_	No connection
27	A2	ı	Address input	70	N.C	_	No connection
28	DQM2	ı	Data input / output mask input	71	DQM1	ı	Data input / output mask input
29	VDD	_	Power supply	72	Vss	_	Ground
30	N.C	_	No connection	73	N.C	_	No connection
31	DQ16	I/O	Data input / output	74	DQ8	I/O	Data input / output
32	Vssq	_	Ground for data output	75	VDDQ	_	Power supply for data output
33	DQ17	I/O	Data input / output	76	DQ9	I/O	Data input / output
34	DQ18	I/O	Data input / output	77	DQ10	I/O	Data input / output
35	VDDQ	_	Power supply for data output	78	Vssq	_	Ground for data output
36	DQ19	I/O	Data input / output	79	DQ11	I/O	Data input / output
37	DQ20	I/O	Data input / output	80	DQ12	I/O	Data input / output
38	Vssq	_	Ground for data output	81	VDDQ	_	Power supply for data output
39	DQ21	I/O	Data input / output	82	DQ13	I/O	Data input / output
40	DQ22	I/O	Data input / output	83	DQ14	I/O	Data input / output
41	VDDQ	_	Power supply for data output	84	Vssq	_	Ground for data output
42	DQ23	I/O	Data input / output	85	DQ15	I/O	Data input / output
43	VDD	_	Power supply	86	Vss	_	Ground

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PDP-R06XE 7

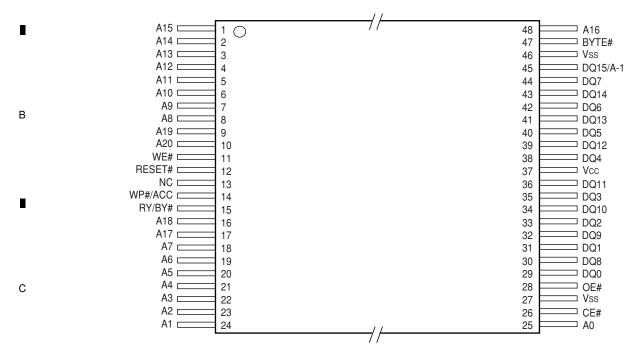
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■ S29JL032H70TFI21 (MR MAIN ASSY : IC7002)

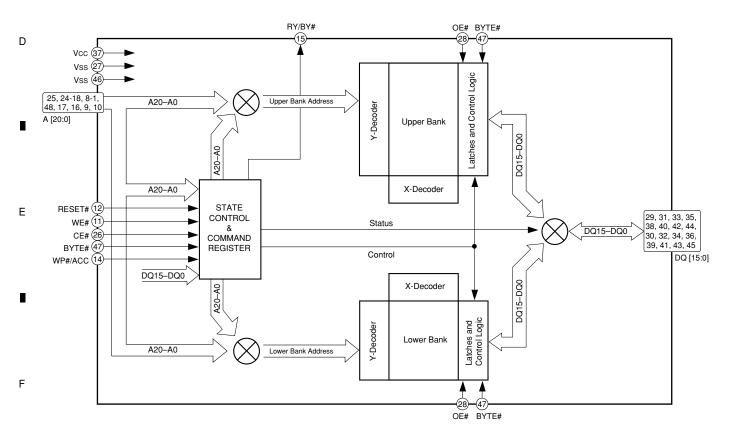
• 32M Flash for Carrera MANTA

Pin Arrangement (Top view)



3

Block Diagram



100

PDP-R06XE

2

3

• Pin Function

5

No.	Pin Name	I/O	Pin Function	
1	A15	I	Address input	
2	A14	ı	Address input	
3	A13	ı	Address input	
4	A12	ı	Address input	
5	A11		Address input	
6	A10	1	Address input	
7	A9	1	Address input	
8	A8	1	Address input	
9	A19	i	Address input	
10	A20	 	Address input	
11	WE#	i	Write enable input	
12	RESET#	1	Hardware reset, active LOW	
13	NC	<u> </u>	No connection	
14	WP#/ACC	-	Hardware write protect / Acceleration	
15	RY/BY#	0	Ready / Busy output	
16	A18	1	Address input	
17	A17	<u>'</u>	Address input Address input	
18	A7	' '	·	
	A6	+ -	Address input	
19	A5		Address input	
20			Address input	
21	A4	1	Address input	
22	A3	1	Address input	
23	A2	l I	Address input	
24	A1	l I	Address input	
25	A0	l I	Address input	
26	CE#	I	Chip enable input	
27	Vss	 -	Device ground	
28	OE#		Output enable input	
29	DQ0	I/O	Data input / output (x16-only device)	
30	DQ8	I/O	Data input / output (x16-only device)	
31	DQ1	I/O	Data input / output (x16-only device)	
32	DQ9	I/O	Data input / output (x16-only device)	
33	DQ2	I/O	Data input / output (x16-only device)	
34	DQ10	I/O	Data input / output (x16-only device)	
35	DQ3	I/O	Data input / output (x16-only device)	
36	DQ11	I/O	Data input / output (x16-only device)	
37	Vcc	_	3.0V only single power supply	
38	DQ4	I/O	Data input / output (x16-only device)	
39	DQ12	I/O	Data input / output (x16-only device)	
40	DQ5	I/O	Data input / output (x16-only device)	
41	DQ13	I/O	Data input / output (x16-only device)	
42	DQ6	I/O	Data input / output (x16-only device)	
43	DQ14	I/O	Data input / output (x16-only device)	
44	DQ7	I/O	Data input / output (x16-only device)	
45	DQ15/A-1	I/O	Data input / output (word mode) / LSB address input (byte mode)	
46	Vss		Device ground	
47	BYTE#	I	Selects 8-bit or 16-bit mode	
48	A16	I	Address input	

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PDP-R06XE 7

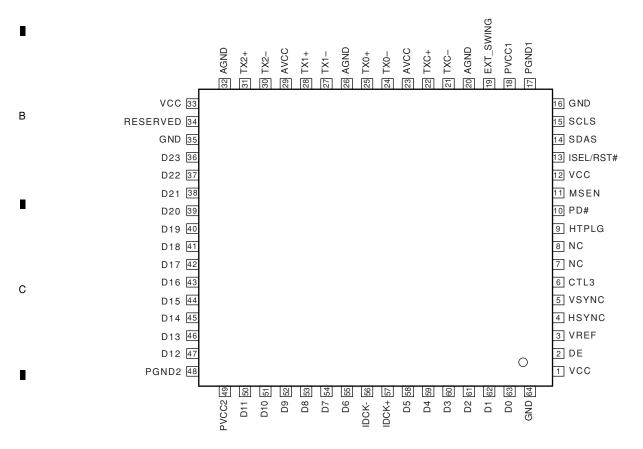
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SII170BCLG64 (MR MAIN ASSY : IC7202)

Α

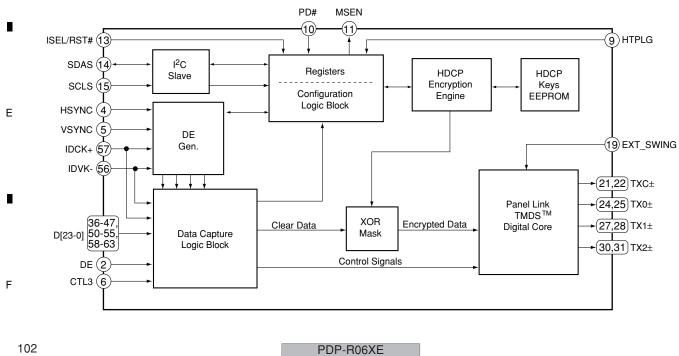
Pin Arrangement (Top view)



3

Block Diagram

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102

• Pin Function

5

No.	Pin Name	I/O	Pin Function	
1	vcc	_	Digital power supply (3.3V)	
2	DE	ı	Data enable	
3	VREF	ı	3.3V fixed	
4	HSYNC	I	Horizontal sync. control signal input	
5	VSYNC	I	Vertical sync. control signal input	
6	CTL3	I	External CTL3 input	
7	NC	_	No connection	
8	NC	_	No connection	
9	HTPLG	ı	Monitor chrage input	
10	PD#	ı	Power down input (Active low)	
11	MSEN	0	Monitor sense output (open-collector output)	
12	vcc	_	Digital power supply (3.3V)	
13	ISEL/RST#	I	I2C interface selecting input High: I2C interface is active	
14	SDAS	I/O	DDC I2C data input/output	
15	SCLS	I	DDC I2C clock input	
16	GND	_	Digital ground	
17	PGND1	-	PLL analog ground	
18	PVCC1	_	Analog power supply for PLL of primary side (3.3V)	
19	EXT_SWING	I	Voltage regulation adjustment	
20	AGND	_	Analog ground	
21	TXC-	0	Differential signal clock output of TMDS Low voltage	
22	TXC+	0	Differential signal clock output of TMDS Low voltage	
23	AVCC	_	Analog power supply (3.3V)	
24	TX0-	0	Differential signal clock output of TMDS Low voltage	
25	TX0+	0	Differential signal clock output of TMDS Low voltage	
26	AGND	_	Analog ground	
27	TX1-	0	Differential signal clock output of TMDS Low voltage	
28	TX1+	0	Differential signal clock output of TMDS Low voltage	
29	AVCC	_	Analog power supply (3.3V)	
30	TX2-	0	Differential signal clock output of TMDS Low voltage	
31	TX2+	0	Differential signal clock output of TMDS Low voltage	
32	AGND	_	Analog ground	
33	vcc	_	Digital power supply (3.3V)	
34	RESERVED	I	Reserved pin for Silicon Image Normally, fixed to low.	
35	GND	_	Digital ground	
36	D23	I	24-bit pixel bus input	
37	D22	I	24-bit pixel bus input	
38	D21	I	24-bit pixel bus input	
39	D20	I	24-bit pixel bus input	
40	D19	I	24-bit pixel bus input	

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No.	Pin Name	I/O	Pin Function			
41	D18	1	24-bit pixel bus input			
42	D17	1	24-bit pixel bus input			
43	D16	1	I-bit pixel bus input			
44	D15	1	4-bit pixel bus input			
45	D14	I	24-bit pixel bus input			
46	D13	1	24-bit pixel bus input			
47	D12	1	24-bit pixel bus input			
48	PGND2	-	PLL analog ground			
49	PVCC2	_	Analog power supply for filter PLL (3.3V)			
50	D11	1	24-bit / 12-bit pixel bus input			
51	D10	1	4-bit / 12-bit pixel bus input			
52	D9	1	24-bit / 12-bit pixel bus input			
53	D8	1	24-bit / 12-bit pixel bus input			
54	D7	1	24-bit / 12-bit pixel bus input			
55	D6	I	24-bit / 12-bit pixel bus input			
56	IDCK-	1	Data clock - input			
57	IDCK+	1	Data clock + input			
58	D5	I	24-bit / 12-bit pixel bus input			
59	D4	1	24-bit / 12-bit pixel bus input			
60	D3	I	24-bit / 12-bit pixel bus input			
61	D2	1	24-bit / 12-bit pixel bus input			
62	D1	I 24-bit / 12-bit pixel bus input				
63	D0	I	24-bit / 12-bit pixel bus input			
64	GND	_	Digital ground			

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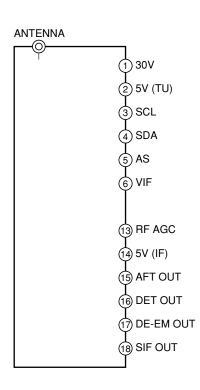
104

AXF1149 (MR MAIN ASSY : U4401)

• Front End

• Pin Arrangement

5



• Pin Function

5

No.	Pin Name	Pin Function		
1	30V	Power supply for 30V		
2	5V (TU)	Power supply for tuner		
3	SCL			
4	SDA	Terminal for I ² C bus control		
5	AS			
6	VIF	VIF output		
13	RF AFG	RF AGC terminal		
14	5V (IF)	Power supply for IF		
15	AFT OUT	Analog AFT output		
16	DET OUT	VIDEO output (Typical = 1.0Vp-p)		
17	DE-EM OUT	Audio output		
18	SIF OUT	SIF output		

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PDP-R06XE

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1 2 3 4

■ AXY1117 (MR MAIN ASSY)

• 3 Outputs DD Control Unit

• Pin Arrangement

14 Vin Vo2 _ 2 13 Vin Vo2 В ☐ 3 GND GND 12 🗌 GND ON/OFF GND ☐ 6 11 GND 10 🗌 GND 9 Vo1 С 8 Vo3 □ 7 Vo1

Pin Function

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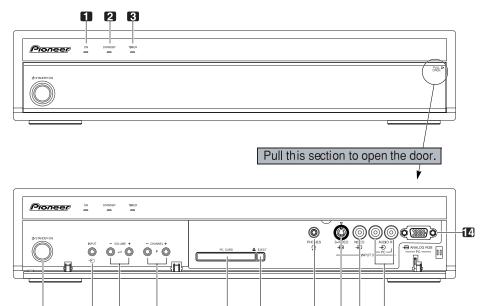
No.	Pin Name	Pin Function			
1	Vin	Inc. 4			
2	Vin	- Input			
3	GND	Cyclind for input cide			
4	GND	Ground for input side			
5	ON/OFF	Output ON/OFF			
6	GND	Ground for output side			
7	Vo3	1.8V output			
8	Vo1	3.3V output			
9	Vo1	3.3V output			
10	GND				
11	GND	Ground for output side			
12	GND				
13	Vo2	1.2V output			
14	Vo2	1.2V output			

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8. PANEL FACILITIES

8.1 PDP-R06XE

■ Front view



9

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10

010 012 013

- 1 POWER ON indicator
- STANDBY indicator
- TIMER indicator
- STANDBY/ON button
- 5 **INPUT** button
- **VOLUME +/-** buttons
- 7 CHANNEL +/- buttons
- 8 PC CARD slot
- 9 PC CARD EJECT button

В

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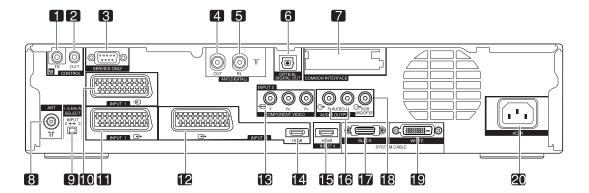
Ε

- 10 PHONES output terminal
- 11 INPUT 5 terminal (S-VIDEO)
- 12 INPUT 5 terminal (VIDEO)
- 13 INPUT 5/PC INPUT terminal (AUDIO)
- 14 PC INPUT terminal (ANALOG RGB)

■ Rear view

4

6 6 7



- 1 **CONTROL IN terminal**
- 2 CONTROL OUT terminal
- **3** RS-232C terminal (used for factory setup)
- **4** ANT OUT terminal (Antenna through out)
- **5** ANT IN terminal (Antenna in for DTV)
 - Power can be supplied through this terminal
- 6 DIGITAL OUT terminal (OPTICAL)
- 7 COMMON INTERFACE slot
 - For a CA Module with a smart card
- 8 ANT (Antenna) input terminal
- 9 i/o link.A SELECT switch

5

- 10 INPUT 1 terminal (SCART)
- 11 INPUT 2 terminal (SCART)
- 12 INPUT 3 terminal (SCART)
- 13 INPUT 2 terminal

(COMPONENT VIDEO: Y, PB, PR)

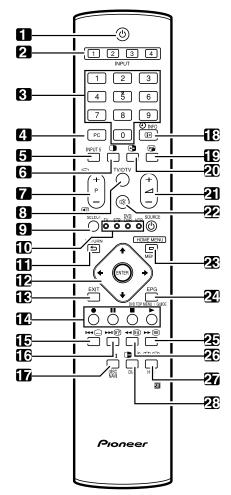
- **14** INPUT 3 terminal (HDMI)
- 15 INPUT 4 terminal (HDMI)
- 16 AUDIO OUTPUT termimals
- 17 SYSTEM CABLE terminal (BLACK)
- 18 SUB WOOFER OUTPUT terminal
- 19 SYSTEM CABLE terminal (WHITE)
- 20 AC IN terminal

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■ Remote control unit

This section describes the functions of the buttons available when the TV mode has been selected using the **SELECT** button.



1 ტ

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

3 0-9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

E 4 PC

Selects the PC terminal as an input source.

5 INPUT 5

Selects INPUT 5 as the input source of the Plasma Display.

6 1

Switches the screen mode among 2-screen, picture-inpicture, and single-screen.

7 P+/P-

TV/External input mode: Selects a channel.

TELETEXT mode: Selects a page.

8 TV/DTV

Switches between the TV and DTV input modes.

9 SELECTSwitches the selection among TV, STB, DVD/DVR, and VCR, so that you can control other equipment in connection, using the supplied remote control unit.

10 TV, STB, DVD/DVR, VCR

These indicators show the current selection and status when you control other equipment in connection using the supplied remote control unit.

11 ⊃ RETURN

Restores the previous menu screen.

12 ♠/♦/♦/→

Selects a desired item on the setting screen.

ENTER

Executes a command.

13 EXIT

Returns to the normal screen in one step.

14 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

15 \cdots

TV/External input mode: Jumps to the Teletext subtitle page. DTV input mode: Turns subtitle on and off.

16 🗊

TELETEXT mode: Displays hidden characters.

17 I-II

Sets the sound multiplex mode.

18 🕀 🕘 INFO

TV/External input mode: Displays the channel information. DTV input mode: Displays the banner information.

19 🕝

Moves the location of the small screen when in the picture-in-picture mode.

20 🖸

Switches between the two screens when in the 2-screen or picture-in-picture mode.

21 4+/4-

Sets the volume.

22 🕸

Mutes the sound.

23 HOME MENU

TV/External Input mode: Displays the Menu screen.

24 EPG

Display the Electronic Programme Guide.

25 ⊜

Selects the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

26 **(i)**

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

27 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

28

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

(¥)

TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

108

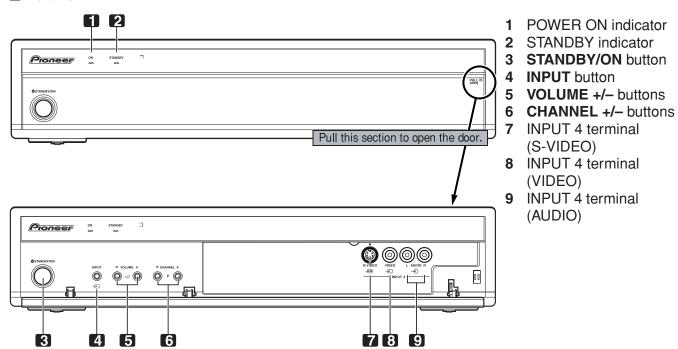
PDP-R06XE

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8.2 PDP-R06FE

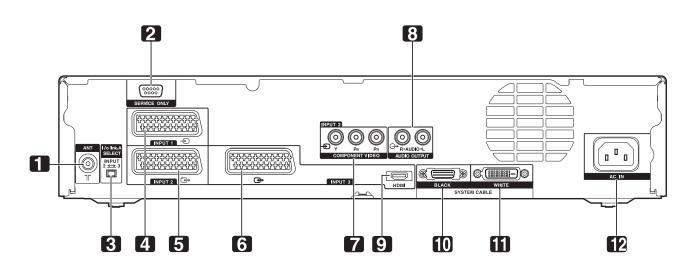
■ Front view



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6

■ Rear view



- 1 ANT (Antenna) input terminal
- 2 RS-232C terminal (used for factory setup)
- 3 i/o link.A SELECT switch
- 4 INPUT 1 terminal (SCART)
- 5 INPUT 2 terminal (SCART)
- 6 INPUT 3 terminal (SCART)

- 7 INPUT 2 terminals (COMPONENT VIDEO: Y, PB, PR)
- 8 AUDIO OUTPUT termimals
- 9 INPUT 3 terminal (HDMI)
- **10** SYSTEM CABLE terminal (BLACK)
- 11 SYSTEM CABLE terminal (WHITE)
- 12 AC IN terminal

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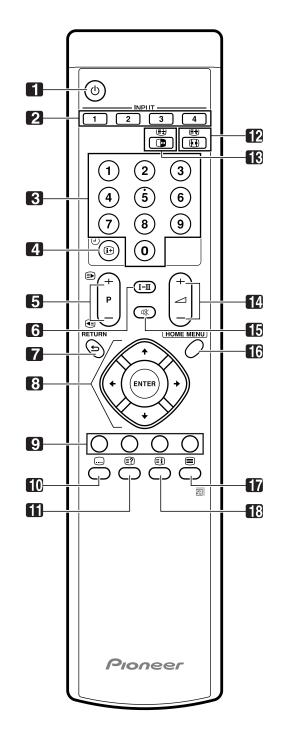
PDP-R06XE

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■ Remote control unit

В



1 🖔

Turns on the power to the Plasma Display or places it into the standby mode.

2 INPUT

3

Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4)

30 - 9

TV/External input mode: Selects a channel. TELETEXT mode: Selects a page.

4 (i+) (i

Displays the channel information.

5 P+/P-

TV/External input mode: Selects a channel.
□ (□)

TELETEXT mode: Selects a page.

6 І-П

Sets the sound multiplex mode.

7 ⊃ RETURN

Restores the previous menu screen.

8 **↑**/**↓**/**♦**/**→**

Selects a desired item on the setting screen.

ENTER

Executes a command.

9 Colour (RED/GREEN/YELLOW/BLUE)

TELETEXT mode: Selects a page.

10

Jumps to the Teletext subtitle page.

Displays hidden characters.

12 🕕

TV/External input mode: Selects the screen size.

TELETEXT mode: Switches Teletext images. (full/upper half/lower half)

13 🗅

TV/External input mode: Freezes a frame from a moving image. Press again to cancel the function.

€

TELETEXT mode: Stops updating Teletext pages. Press again to release the hold mode.

14 🛮 + /🗷 🗕

Sets the volume.

15 🕸

Mutes the sound.

16 HOME MENU

TV/External Input mode: Displays the Menu screen.

17 ■

Selects the TELETEXT mode.

(all TV image, all TEXT image, TV/TEXT image)

18 🗐

TELETEXT mode: Displays an Index page for the CEEFAX/FLOF format. Displays a TOP Over View page for the TOP format.

110

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5 В С D Ε 111 PDP-R06XE 5 8

2 3 4

A ■ Cleaning

• Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools	Remark
Fans	Cleaning paper : GED-008	Refer to "2.3 EXTERIOR SECTION" , "7.1.2 DISASSEMBLY SECTION".

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Pioneer sound.vision.soul





ORDER NO. RRV3221

PDP-S38 XIN/CN5

65S

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

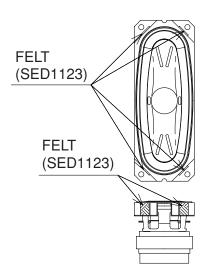
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

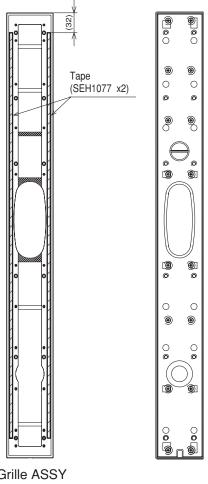
FOR PRECAUTION OF REASSEMBLY AND DISASSEMBLY

- The grille is attached to the baffle using double-sided self-adhesive tape. To avoid damaging the cabinet, work with the speaker on top of a blanket or similar, face the grille upward. There is slot in the lower part of the speaker. Insert a screwdriver(-) into slot and push up detach the lower part.
 - Taking care not to damage the grille and baffle, lift the grille a little bit at a time with hand.
 - When reattaching the grille, use double-sided self-adhesive tape in the locations shown in the diagram and press the grille assy into place.
- The grille is fixed using boss and double-sided self-adhesive tape(The tape is in the locations indicated in the diagram below). Do not use a dryer to heat the self-adhesive tape when removing the grille.
- The woofer is attached to the baffle by 4 internal screws. To detach it, first remove the baffle from cabinet. Then unfasten those screws. When attaching the woofer, face its plus terminal downward.
 - When changing it, stick the felt(SED1123 4pcs.) on the specified position of the woofer frame.
- The tweeter is attached to the baffle by 2 internal screws. To detach it, first remove the baffle from cabinet. Then unfasten those screws. When attaching it, face its plus terminal (bigger terminal) rightward.

LOCATIONS TO FIX FELT



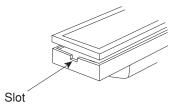
LOCATIONS TO FIX DOUBLE-SIDED **SELF-ADHESIVE TAPE**

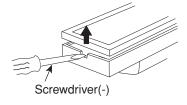


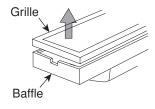


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Grille ASSY (Back Side)

1

1

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

For Packing

3

lark No	o. Description	Part No.	Mark N	o. Description	Part No.
SP	Cabinet	SNK2899		Gasket Set	SME3674
SP	Baffle R	SNK2897	NSP	- Gasket	SEC1978
Р	Baffle L	SNK2898	NSP	Polyethylene Bag S2	SHL1309
				, ,	
	Grille ASSY	SMG1854	NSP	Accessories Set	SME3676
SP	Grille Cloth	SAS1598	NSP	 Polyethylene Bag S1 	KHL1079
P	– Felt	SED1124	NSP	Screws Set	SME3677
SP	– Felt	SED1125		Screw	BMZ50P100FTE
P	 Grille Frame 	SMH1111	NSP	Polyethylene Bag S0	KHL1081
Р	Cosmetic Frame	SNK2900		, , ,	
				└ Speaker Wire Set	SME3678
	Network ASSY	SWN1755	NSP	Polyethylene Bag S0	KHL1081
			NSP	Speaker Wire	SDS1189
XIN/E5					
P	Model Label (L)	SAN3748	NSP	Bracket ASSY Set	SME3679
P	Model Label (R)	SAN3749		- Case	SHA2513
XIN/CN	I type			- Case	SHA2514
Р	Model Label (L)	SAN3744			
Р	Model Label (R)	SAN3745		Protection Sheet S1	SHC1831
				Protection Sheet	SHC1837
P	Insert Nut M5	SBN1056		Protection Sheet	SHC1838
P				- i lotection sheet	31101030
	Packing (BOSS: WF TW)	SEB1244		Drooket (L.TOD) ACCV	CVC1000
Р	Gasket (INP-SIDE)	SEB1255	NOD	- Bracket (L-TOP) ASSY	SXG1086
	0 1 . (0 A D (1 ID D O T))	0551001	NSP	Label (L-TOP)	SAK1016
P	Gasket (CAB(UP BOT))	SEB1294		Gasket	SEC1979
P	Gasket (CAB(DUCT-BOT))	SEB1295		Gasket	SEC1980
SP.	Gasket (CAB(UP WF DUCT-UP))	SEB1296	NSP	– Tape	SEH1078
	Gasket (INP-BACK)	SEC1724	NSP	Bracket (L-TOP)	SNA1451
SP.	Gasket (CAB SHORT)	SEC1965	NSP	Cover L-T	SNN1049
`D	Coolint (CAR LONG)	0504000		Dunalist (L. DOT) ACCV	CVC1007
SP.	Gasket (CAB LONG)	SEC1966		- Bracket (L-BOT) ASSY	SXG1087
SP	Gasket (CAB BIRI-SHORT)	SEC1967	NSP	Label (L-BOTTOM)	SAK1017
SP.	Gasket (CAB TW)	SEC1968		- Gasket	SEC1979
SP	Gasket (G-B BIRI-SHORT UP)	SEC1969		- Gasket	SEC1981
SP	Gasket (G-B BIRI-LONG)	SEC1970	NSP	– Tape	SEH1078
			NSP	─ Bracket (L-BOTTOM)	SNA1452
SP	Gasket (G-B BIRI-SHORT BOT)	SEC1971	NSP	└ Cover L-B	SNN1050
	Gasket (CAB BIRI-LONG)	SEC1972			
SP.	Gasket (MDF BAR)	SEC1973		Bracket (R-TOP) ASSY	SXG1088
SP	Felt (CB(INP WF))	SED1113	NSP	Label (R-TOP)	SAK1018
•	Felt (BOSS(WF))	SED1113		- Gasket	SEC1979
	i dit (BOOO(VVI))	0201120		– Gasket	SEC1980
·D	Folt (DLICT)	QED1122	NCD		
SP.	Felt (DUCT)	SED1133	NSP	Tape	SEH1078
	Tape (CAB(WF-SIDE))	SEH1076	NSP	Bracket (R-TOP)	SNA1453
	Tape (GRILLE ASSY)	SEH1077	NSP	└ Cover R-T	SNN1051
	Input Terminal	SKX1097			
P	MDF Bar	SLX1162		└ Bracket (R-BOT) ASSY	SXG1089
			NSP	Label (R-BOTTOM)	SAK1019
P	Port Tube Ring 26	SMR1382		- Gasket	SEC1979
P	Paper Tube 26	SMR1396		– Gasket	SEC1981
P	Acoustic Absorbent (DUCT)	SMT1243	NSP	- Tape	SEH1078
Р	Acoustic Absorbent (UP UP-B BOT)	SMT1297	NSP	- Bracket (R-BOTTOM)	SNA1454
r P	Acoustic Absorbent	SMT1297 SMT1298	NSP	Cover R-B	SNN1052
•	(UP UP-R WF INP BOT)	OWIT 1230	NOT	Oover U-D	SININ I USZ
SP.	Acoustic Absorbent	SMT1299			
<i>,</i> ,	(DUCT INP-S(ROLL))	OWIT IZUU			
	Label Serial (Model Label L,R)	SRW1083			
P	Label Sellai (Model Label L,N)				
SP.	Speaker (Woofer)	H132DC65-51F			

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Mark	No. Description	Part No.
for XIN/	E5 type	
NSP	Instruction Manual Set	SME3675
NSP	─ Polyethylene Bag S2	SHL1309
	Owner's Manual	SRD1294
	(English, French, German, Italian,	
	Duch, Spanish, Chinese)	
for XIN/	CN5 type	
NSP	Instruction Manual Set	SME3682
NSP	 Polyethylene Bag S2 	SHL1309
	└ Owner's Manual (Chinese)	SRD1301
for XIN/	E5 type	
	Packing Case	SHG2680
for XIN/	CN5 type	
	Packing Case	SHG2686
	Foam Pad (*)	SHA2512
	Protector (*)	SHB1168
	Protector (*)	SHB1169
	Packing Bag S2	SHL1363
NSP	Label Serial	SRW1087
	Screw (TW)	BPZ30P080FTB
	Screw (WF)	BPZ35P080FTB
	- ''.	

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*: Refer to PACKING

Screw (CAB-BAFFLE) Screw (NW:L)

Screw (INP)

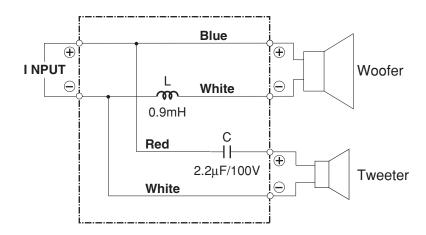
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SCHEMATIC DIAGRAM

Network ASSY (SWN1755)

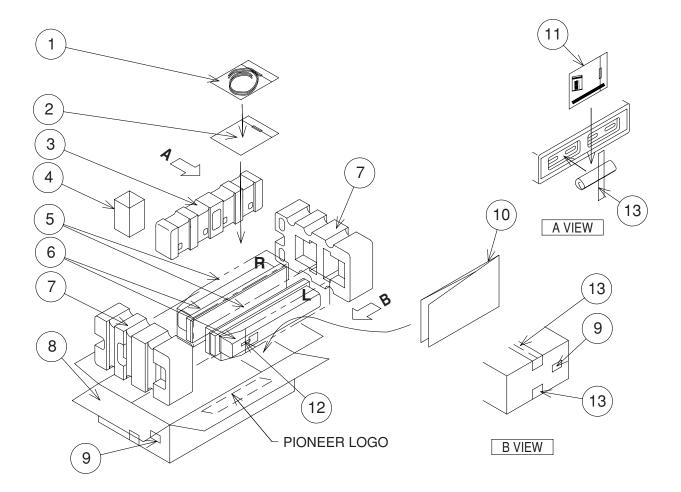


BPZ35P140FTB

BPZ40P100FTB BPZ40P300FTB

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PACKING



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13	TAPE 48mm	180cm	
12	CLEAR TAPE 12mm	8cm	L: Yellow , R: Green
11	ACCESSORIES SET	1	SME3676
10	PROTECTOR	1	SHB1169
9	SERIAL BARCORD LABEL	2	SRW1087
8	PACKING CASE	1	SHG2680 (for XIN/E5 type), SHG2686 (for XIN/CN5 type)
7	FOAM PAD	2	SHA2512
6	SPEAKER SYSTEM L,R	1set	
5	PACKING BAG S2	2	SHL1363
4	PROTECTOR	1	SHB1168
3	BRACKET ASSY SET	1	SME3679
2	INST.MANUAL SET	1	SME3675 (for XIN/E5 type), SME3682 (for XIN/CN5 type)
1	GASKET SET	1	SME3674
No.	PART NAME	NUM.	PART NO.

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BRACKET ASSY SET

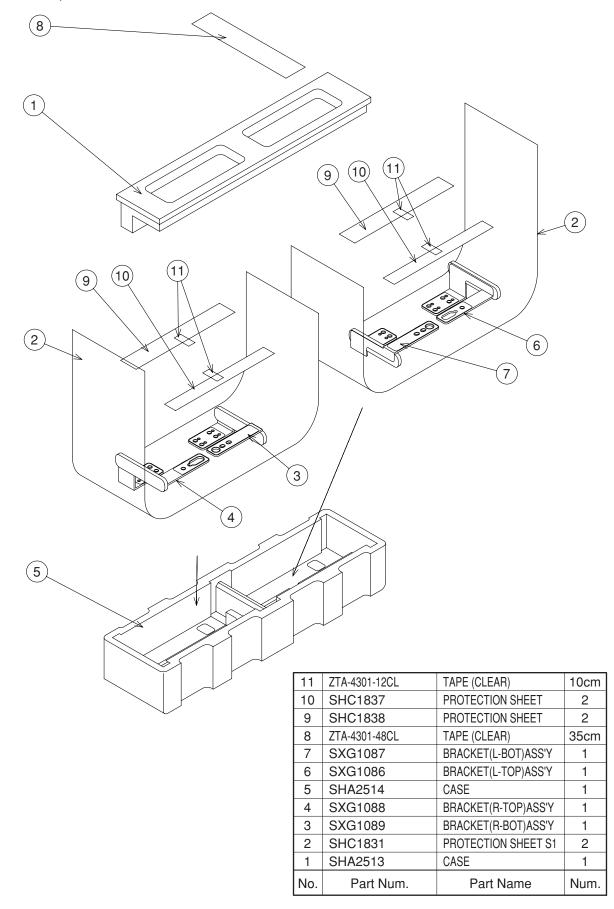
(SME3679)

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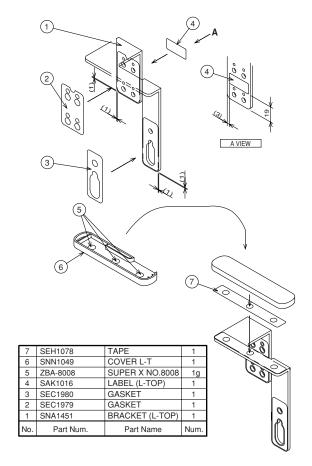
PDP-S38

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BRACKET (L-TOP) ASSY

(SXG1086)

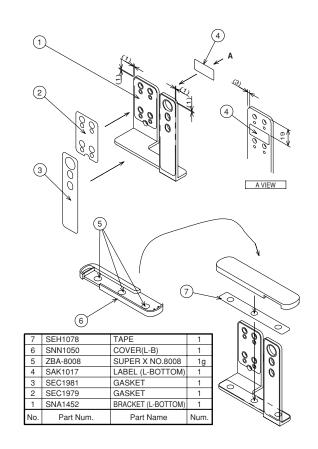


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BRACKET (L-BOTTOM) ASSY

(SXG1087)

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BRACKET (R-TOP) ASSY

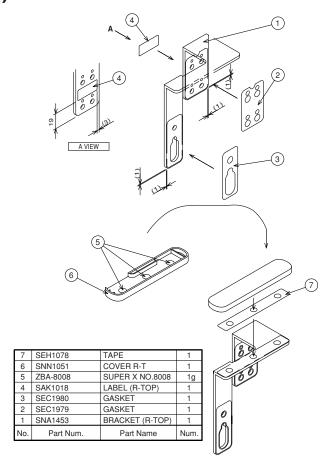
(SXG1088)

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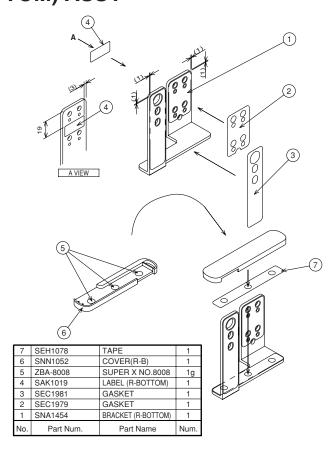
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BRACKET (R-BOTTOM) ASSY

(SXG1089)



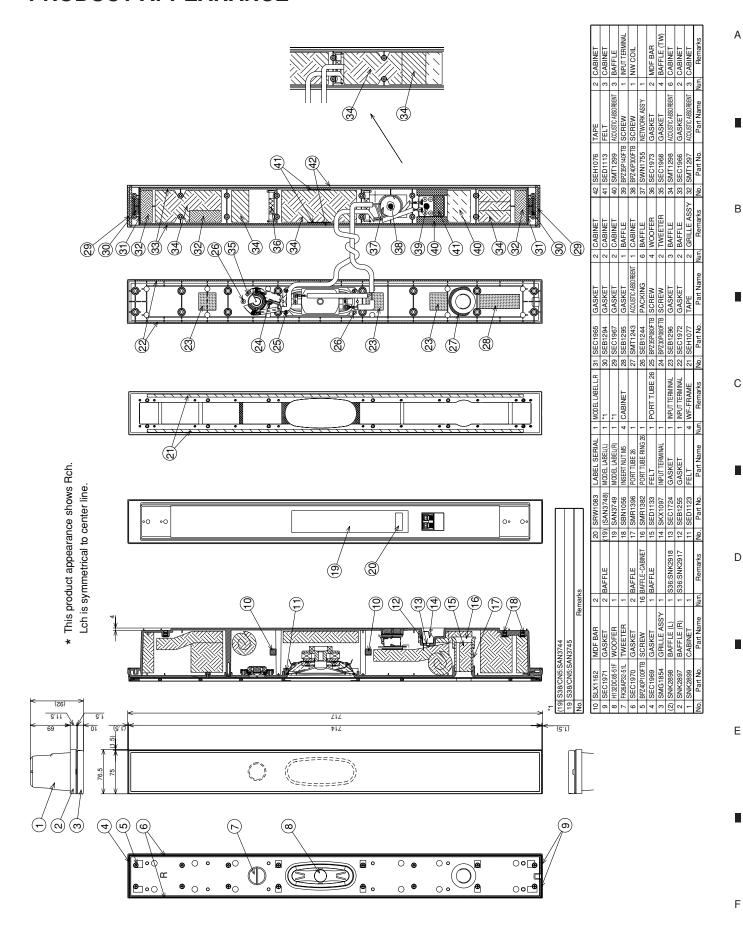
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PRODUCT APPEARANCE



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